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In conducting this research, the investigator(s) adhered to the "Guide for the Care and Use of Laboratory Animals," prepared by the Committee on Care and Use of Laboratory Animals of the Institute of Laboratory Animal Resources, National Research Council (NIH Publication No. 86-23, Revised 1985.

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Anesthetized sheep were exposed to explosions generated by the detonation of various weights of C-4 ranging in size from 57 to 1361 g in three different enclosures. The dimensions of the enclosures were $3.05 \times 1.52 \times 2.44$ m, $3.05 \times 2.44 \times 2.44$ m, and $4.88 \times 1.05 \times 1.05$ $3.05 \times 2.44 \text{ m}$ or 11.3, 18.2, and 36.3 m^3 , respectively. The results from these experiments were used to establish an injury prediction curve using severity of injury indices and smoothed peak pressure. It appears to be an adequate model for the data collected and correlates well with previously reported injury prediction curves. It was determined that quasi-static pressure per se doesn't influence non-auditory injury to any appreciable degree. However, changes in the quasi-static pressure can affect the reverberant nature of the complex wave which seems to have a role in solid intra-abdominal response. There was also a simple relationship between lung injury and loading density demonstrated.

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| injury; effects o | e effects on anima f complex waves; s s; RA III | heep as an animal | 146 F1.5 C |
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As loading density increases, lung injury increases.

FOREWORD

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| In conducting research utilizing recombinant DNA technology, the investigator(s) adhered to current guidelines promulgated by the National Institutes of Health. |
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CONTRACT NO: DAMD17-88-C-8141

TITLE: BLAST OVERPRESSURE STUDIES WITH ANIMALS AND MAN

SUBTITLE: BIOLOGICAL RESPONSE TO COMPLEX BLAST WAVES

PRINCIPAL INVESTIGATOR: Daniel L. Johnson, Ph.D. AUTHORS: John T. Yelverton, William Hicks, Roy Doyal

CONTRACTING ORGANIZATION: EG&G Special Projects 2450 Alamo Avenue, S.E.

P.O. Box 9100

Albuquerque, New Mexico 87119-9100

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LIST OF PERSONNEL TASK ORDER 2

- 1. Daniel L. Johnson, Ph.D., Director
- 2. John T. Yelverton, M.S., Physiologist, Principal Investigator
- 3. William Hicks, Biologist
- 4. Allie Shaw, Veterinarian Assistant
- 5. Bruce Moore, Photographer
- 6. Lewis West, Explosives Supervisor
- 7. Scott Carter, Explosives Technician
- 8. George Shepler, Electronics Technician
- 9. Roy Doyal, Programmer

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TASK ORDER 2

DAMD-17-88-C-8141

BLAST OVERPRESSURE STUDIES WITH ANIMALS AND MAN SUBTITLE: NONAUDITORY EFFECTS OF COMPLEX BLAST WAVES ON SHEEP IN THREE DIFFERENT ENCLOSURES

INTRODUCTION

This report describes the results of studies undertaken to establish the damage-risk criteria for non-auditory blast injury for personnel exposed to complex blast waves. Sheep were used to determine the non-auditory injury levels associated with various resonant blast waveform intensities generated in three different enclosure volumes. The studies were conducted by EG&G Special Projects at the Blast Overpressure Test Site, Kirtland AFB, NM.

Background

Previous auditory and non-auditory damage risk criteria have been based on exposure of soldiers to approximately ideal blast waves. Tolerance to these ideal blast waves depends upon the peak overpressure and the positive phase duration of the overpressure. However, the actual exposure environment in many situations is of a more complex nature. For example, the back blast of a large caliber weapon fired from an enclosure produces a reverberant wave

that may cause a variety of biological effects. They may range from transient auditory effects to gross hemorrhagic changes in the lungs, upper respiratory tract, and gastroenteric tract. The extent to which these effects are exacerbated by the complexity of the reverberant wave has not been adequately defined.

Swedish investigators found that complex blast waves resulting from firing a recoilless weapon from inside an enclosure produce lung injury in rabbits at one-fifth the peak overpressure required for a simple wave. It was suggested that the frequency content of the complex wave matched the natural frequency of the rabbit's thorax resulting in injury at peak overpressures as low as 40 kPa.

Further studies were conducted to determine if resonance effects could be demonstrated in a complex wave environment with a larger animal species.³ Anesthetized sheep were exposed to bare C-4 charges detonated inside the passenger compartment of an M59 armored personnel carrier (APC). The compartment volume was 8.7 m³. The results demonstrated that there were more severe injuries to the respiratory tract, lungs, and gastroenteric tract in subjects exposed to 227- and 454-g charges inside the APC than to the those subjected to the same conditions in the open. In addition, it was found that sheep at either the 0.9- or 1.2-m ranges sustained about the same amount of injury even though the incident overpressure varied by a factor 2.

A limited number of tests were conducted in a 17.3 m^3 (3.0 x 2.4 x 2.4 m) bunker.⁴ A total of 18 sheep were subjected to single explosive events at various locations inside the chamber. All

animals were anesthetized during testing and maintained in that state until necropsy from 1 to 3 hours later. They were exposed two at a time at 0.9, 1.2 or 1.4 m from a 227-,454- or 1361-g charge detonated at a 1.2-m height-of-burst. All charges were initiated in the center of the chamber. The blast vented through an 82.6 x 15.2-cm opening at the base of the bunker door. For each exposure, the subjects were placed in cotton webbing harnesses and suspended vertically from the ceiling at a height of 1.2 m from the floor as measured to their xiphisternums. They were oriented right-side-on to the charge except for two tests in which the animals were face-on.

Six additional sheep were also exposed three at a time outdoors on a concrete pad to 454-g charges detonated at a 1.2-m height-of-burst to compare to the injury levels sustained by the sheep blasted in the bunker. On each test, two sheep were suspended vertically 1.2 m from the pad and oriented right-side-on at 0.9 or 1.2 m from the charge by means of an overhead pipe-frame-rigging. The third sheep was placed against the concrete pad with its right side 0.9 m from the charge to simulate a subject against the wall of the bunker.

Pressure-time histories were recorded at two locations during each explosive event using a freefield gauge and an instrument cylinder fitted with four transducers at 90 degree intervals around its midsection. One of the sheep was also instrumented with one intraesophageal gauge and one external gauge mounted on its right side at 1.2 m from the ground.

There were negligible amounts of damage in the animals exposed to 227-g charge detonations. The lung/body weight percentages ranged from 0.74 to 0.94. The sheep subjected to 454-g C-4 explosions sustained blast lesions to the upper respiratory tract, lungs, and G.I. tract out to the 1.4 m range. Overall there were significant amounts of upper respiratory tract and G.I. tract injury at all ranges for the bunker sheep and generally more extensive than that seen in the subjects exposed outdoors. This is particularly true for those that were at the 0.9 and 1.4 m ranges in the chamber. In the enclosure, lung/body weight percentages ranged from 0.75 to 1.04 with the extent of the lung hemorrhage becoming less severe with increasing range. The range of 0.87 to 1.02 for the sheep blasted outdoors was essentially the same as the range recorded for the sheep in the enclosure. It is interesting to note that on all the 454-g charge detonations in the enclosure, the peak intra-thoracic pressures recorded were approximately the same whether or not the animals were 0.9 or 1.2 m from the detonation and more than a factor of three higher than those recorded for the same ranges outdoors. They ranged from 237.4 to 252.3 kPa for four shots in the bunker whereas the peak values for the two sheep monitored at 0.9 and 1.2 m outdoors were 68.9 and 57.9 kPa respectively. Lung lesions did tend to be bilaterally distributed in the bunker animals whether they were against a wall or not and in the animals outdoors laying on the concrete. Whereas the lung hemorrhage was confined to the right lung exclusively in the sheep exposed right-side-on to the explosion outdoors in the

freefield. The two animals exposed to the 1361-g explosion sustained extensive amounts of injury and were killed by the blast. The lung/body weight percent for the sheep that had been 0.9 m from the blast was 2.80 and the value for the one that had been at 1.2 m was 2.29. There would be no lethality associated with detonating the same weight of charge in the open at the same ranges.

The results of this study suggested that for small charges detonated in the center of a chamber, the amount of lung hemorrhage produced was primarily dependent upon the "incident" wave even though the reflected shocks had the additive effect of increasing the ITP by a factor 3 or more. The upper respiratory tract and gastroenteric injuries extending cut to 1.4 m without a change in severity in the enclosure animals indicated that there was also an interaction between reflected waves and the various gas volumes in the gut and upper respiratory tract. The bunker collapsed during subsequent tests precluding any further use of the structure.

A variable volume all-steel enclosure was constructed to replace the collapsed bunker. This report is the result of studies conducted in the variable volume all-steel enclosure incorporating two protocols. The first protocol included two interim reports. 5,6 There was a review of the literature which compared the effects of classical Friedlander waves with complex blast waves entitled "Effects of complex blast waves literature review" and a data report of the pathology results from the 3.05 x 2.44 x 2.44-m enclosure configuration. The second protocol was designed around $^{4.88}$ x $^{3.05}$ x $^{2.44-m}$ and $^{3.05}$ x $^{1.52}$ x $^{2.44-m}$ chamber sizes as well

as some orientation effects experiments done in the freefield to compare with the enclosure results. It also included a data report of the pathology results from these two chambers and the freefield experiments.

OBJECTIVES

There were seven basic objectives to this report.

- To determine if the pressure-time parameters recorded in a chamber are altered when the volume and geometry of the chamber is changed by the addition of animals.
- 2. To determine injury levels as a function of range and charge weight in sheep exposed to single bare H.E. charge detonations in a 3.05 x 2.44 x 2.44-m enclosure for correlation with specific parameters of the complex blast wave.
- 3. To compare the injuries produced by a single bare charge detonation to those caused by the pressure-time patterns generated by the simulation of a jet from a shaped charge penetrating an armored vehicle.
- 4. To investigate the relative importance of the quasistatic pressure rise component of complex waves in producing trauma by varying the vent area of the enclosure from one of the charge-target configurations of objective 1.
- 5. To determine injury levels as a function of range and charge weight in sheep exposed to single bare H.E. charge

detonations in a 4.88 \times 3.05 \times 2.44-m enclosure for correlation with specific parameters of the complex blast wave.

- 6. To determine injury levels as a function of range and charge weight in sheep exposed to single bare H.E. charge detonations in a 3.05 x 1.52 x 2.44-m enclosure for correlation with specific parameters of the complex blast wave.
- 7. To correlate the results from the various enclosure volumes with those from other studies to determine the extent of the relationship of blast injury level to charge weight and enclosure volume.

METHODS

The same basic approach was used throughout the study. Sheep were exposed at various distances from bare, spherical charges of C-4 explosive detonated at a 1.22-m height of burst, as measured to the center of the charges, inside the variable volume all-steel enclosure illustrated in Figure 1 or outdoors on a concrete pad. Two to three sheep at a time were placed in cotton webbing harnesses and suspended 1.22-m from the floor of the chamber or the concrete pad as measured to the xiphisternum. Except for the variations which will be noted, all tests were done with the sheep right-side-on to the blast.

Protocol One

Objectives 1, 2, 3, and 4 were addressed during protocol one. All of the tests were conducted with the enclosure configured to its $3.05 \times 2.44 \times 2.44-m$ (18.2-m³) dimensions.

Objective 1. Pressure-Time Parameters

The pressure-time environment was recorded without animals for each of the configurations illustrated in Figures A-1 through A-19 of Appendix A and charge weights indicated in Table 1 for comparison to the waveforms produced when the sheep were placed in the chamber. There was some concern that the rate of rise of the quasi-static pressure and maximum pressure achieved might change significantly with introduction test animals.

Objective 2. Injury Levels

Three conditions of charge placement were used for which the inertia vents were allowed to open as the quasi-static pressure rose in the chamber.

These tests provided the baseline dose-response data for correlation with specific parameters of the complex blast waves and were designed to establish the relative importance of subject location with respect to the walls of the chamber in injury production.

Pressure-time parameters were measured at points that corresponded to animal positions on each shot. Gauge and/or animal locations were varied from configuration to configuration.

Condition 1. Charges in Center of Room

As indicated in Table 1, the bulk of the experimental effort was done with the entry door closed, inertia vents unlocked, and the explosives detonated in the center of the room. Seven different charge-target geometries, illustrated in Figures A-1 through A-7 (configurations A-1 through A-7) of Appendix A, were used to subject 72 sheep to blasts at ranges of 0.91, 1.22, and 1.43 m and various locations from 114-, 227-, 454-or 907-g explosive detonations. There were six animals per range for a total of 18 at each charge weight.

Condition 2. Charges in the Corner

The complex waves that were generated from the center of the chamber were varied by initiating the explosions in one corner of the enclosure as illustrated in Figures A-8 through A-12 (configurations A-8 through A-8/5) of Appendix A. As indicated in Table 1, a total of 18 sheep were exposed three at a time at 0.91, 2.01, and 2.99 m, respectively from individual detonations. Fifteen of the animals were exposed to 454-g C-4 blasts and three were subjected to 907-g blasts.

Condition 3. Charges Against Wall

Another variation in complex wave shape was achieved by initiating 454-g explosives against the midpoint of the short wall of the enclosure as illustrated in Figures A-13 through A-15

(configurations A-8 through A-8/5) of Appendix A. Pressure-time contours and sheep injury levels were recorded at 1.71 and 2.71 m in addition to those at 0.91 m. As indicated in Table 1, a total of 18 subjects were tested three per shot at each of the above ranges.

As seen in the figures, the sheep at 1.71 and 2.71 m were not right-side-on to the explosion. These charge-target configurations were used in the following jet simulation experiment in which all of the subjects were at least partially side-on to one of the charges. This allowed a direct comparison of the injuries sustained from a unilateral complex wave exposure to those incurred from a bilateral insult.

Objective 3. Jet Simulation

The jet produced by a high explosive antitank round produces a complex blast overpressure environment as it passes through an armored vehicle or an enclosure by creating explosions at both its entry and exit points. As illustrated in Figures A-16 and A-17 (configurations A-10 and A-17) of Appendix A, these events were simulated by exploding two C-4 spheres, each centered against a wall and directly opposite each other at either end of the chamber. As presented in the Table 1, 12 sheep were subjected two at a time to two 227-g C-4 spheres detonated simultaneously or to a 227-454-g charge combination detonated simultaneously. Both arrays were initiated electrically with Reynolds RP-83[©] exploding bridge-wire detonators. For each shot, one sheep was in a corner at both 0.91

or 2.71 m from the C-4 depending upon which charge was used as a point of reference. It was right-side-on to the explosive at 0.91 m and face-on to the one at 2.71 m. The other subject was placed with its back against the wall equidistant at 1.71 m from the two charges.

Objective 4. Quasi-Static Pressure Elimination

As indicated in Table 1 and illustrated in Figures A-18 and A-19 (configurations B-9 and B-9/2) of Appendix A, two tests with three animals each were conducted to estimate the importance of quasi-static pressure rise in injury production. The inertia vents and chamber door were left open to eliminate the quasi-static pressure. The results from these tests were compared with those from configurations A-9 and A-9/2 in which the vents were left open.

Protocol Two

Objectives 5, 6, and 7 were addressed during protocol two. The majority of the tests were conducted with the enclosure configured to chamber sizes of 4.88 x 3.05 x 2.44 m (36.3 m³) and 3.05 x 1.52 x 2.44 m (11.3 m³). A limited number of animals were also exposed to blast outdoors in the freefield for comparison with the results obtained in the 4.88 x 3.05 x 2.44-m room. They were also done to demonstrate the extent that orientation with respect to the blast wave influences animal response.

Objectives 5 and 6. Injury levels

All tests were done with the entry door closed, inertia vents unlocked and the explosives detonated in the center of the room.

Condition 1. 4.88 x 3.05 x 2.44-m Room

As indicated in Table 2, 75 animals were tested in the 4.88 x 3.05 x 2.44-m chamber. Figures A-20 through A-25 (configurations C-1 through C-1/4) of Appendix A illustrate the relative positions of the sheep and pressure-time gauges with respect to the charge. There were five shots and five sheep per exposure distance for a total of 15 subjects per explosive weight. The exposure distances were 1.22, 2.13 and 2.44 m from 57-, 113-, 454-, 907-, and 1361-g C-4 detonations. The positions of the freefield gauges and instrumentation cylinder were varied from shot-to-shot to facilitate correlation of injury level with the pressure-time environment.

Condition 2. 3.05 x 1.52 x 2.44-m Room

As indicated in Table 2 another 45 sheep were used in the 3.05 x 1.52 x 2.44-m chamber. Figures A-26 through A-29 (configurations D-1 through D-1/4) of Appendix A illustrate the relative positions of the sheep and pressure-time gauges with respect to the charge. Fifteen subjects each were exposed to the detonations of three different weights of explosives at three different distances. C-4 spheres weighing 113, 227, and 454 g were exploded at exposure distances of 0.91, 1.2, and 1.4 m. As

in Condition 1, the positions of the freefield gauges and instrumentation cylinder were varied from shot to shot to facilitate the correlation of the pressure-time histories with injury levels.

Condition 3. Freefield orientation effects

As indicated in Table 2, an additional 22 sheep were exposed to blast outdoors in the freefield on a concrete pad. The relative positions of the sheep and pressure-time gauges with respect to the charge are illustrated in Figures A-30 through A-35 (configuration C-2 through C-7) of Appendix A. Twenty animals were exposed two-at-a-time in one of five different orientations 1.2 m from a 1361-g explosive detonation. Four animals each were tested right-side-on, left-side-on, face-on, back-on and at 45 degrees with respect to the detonations. Two additional animals were exposed right-side-on at 2.44 m from a 1361-g explosion. Both the sheep and the charges were suspended 1.22 m from the concrete to simulate the 4.88 x 3.05 x 2.44-m enclosure configurations.

Objective 7. Loading Density Comparisons

The blast injuries sustained in the three enclosures were correlated with the charge weight required to produce a particular level of injury in a given enclosure volume. These results were compared with those obtained from previous studies.⁷

Test Enclosure

As illustrated in Figure 1, the basic test structure was a 4.88 x 3.05 x 2.44-m rectangular box with a bolted-on, two piece, removable roof. It was constructed from 2.5-cm-thick steel plate surrounded by a framework of 25.4-cm, wide-flange I-beams set on 61-cm centers. Instrumentation ports were placed at the base of two walls to allow insertion of shielded gauge lines up to 2.5 cm in diameter. There were also transducer ports in the center of at least three of the four walls for each configuration.

The volume of the enclosure was changed by either moving or removing a partition wall on the inside of the enclosure. different enclosure sizes were used during the study and designated as configurations A, B, C, and D. For configurations A and B the chamber was $3.05 \times 2.44 \times 2.44 \text{ m} (18.2 \text{ m}^3)$, for C it was changed to 4.88 x 3.05 x 2.44 m (36.3 m³), and for D it was 3.05 x 1.52 x 2.44 m (11.3 m³). A turbine ventilator was mounted on one of the roof sections. The ventilator was fitted with a blast valve that was closed during an explosive event. The valve was opened and the ventilator fan turned on after an explosion to exhaust the hot gases and smoke. This same roof section was also fitted with a 174 x 30-cm inertia vent that was covered by two 79 x 42-cmweighted doors. Quasi-static pressure rise was regulated by restricting the venting rate, which was done by varying the mass of the doors, each of which weighed 161 kg for these experiments.

Animal Care

Female Columbia-Rambouillet cross sheep having body weights of approximately 41 to 50 kg were used throughout the study. They were treated for endoparasites and their ears were sprayed with tick pesticide four days after arrival at the laboratory outdoor pens. The drinking water was also treated with terramycin powder at a rate of 0.6 g/liter for 2 weeks to help reduce the incidence of pulmonary complications.

The animals were maintained in one of four outdoor pens each of which had a portion with an overhead cover. One to two weeks prior to testing, the subjects were sheared in groups of 6 to 10, given a second application of tick spray, and moved to an indoor holding facility. They were kept in groups of 4 to 6 in pens with wood shavings on the floor. Food pellets were provided at a rate of 1 kg/head/day. Water was available ad libitum. Each test animal was fasted a minimum of 18 hours before a test.

On the morning of a test, the animals were harnessed, weighed and given a otoscopic examination to remove any obstruction from the ear canals prior to transport to the test site. The ear or ears that were to be protected were blocked with a selected earplug. Each sheep received a preanesthetic intramuscular (IM) injection of atropine sulfate (0.44 mg/kg) and xylazine (0.22 mg/kg) and was placed in its test position approximately 15 minutes prior to blast exposure. At 5 minutes before the test, each was anesthetized with an IM injection of ketamine hydrochloride (11 mg/kg) then exposed to blast.^{8,9}

Pathology Scoring

The subjects were not allowed to recover from anesthesia. Starting at approximately one hour after blast exposure, one sheep at a time was given an IM injection of ketamine hydrochloride (22 mg/kg), exsanguinated by severing the jugular veins and carotid arteries, and necropsied. Each animal was assessed for injuries using an alphanumeric scoring system. External lesions, fractures, burns, and trauma to the pharynx/larynx, trachea, lungs, heart, hollow abdominal organs, and solid abdominal organs were assigned individual numerical scores based on the severity of the lesion. The various lesions were also graded trace, slight, moderate, or extensive depending upon their severity. For example, the pharynx/larynx, trachea and lung lesions were graded negative for no injury, trace for minimal petechial lesions, slight for small isolated hemorrhages, moderate for areas of confluent hemorrhage and extensive for large areas of deep confluent contusion involving more than 30 percent of the organ. In some extensive upper respiratory tract cases, hemorrhage and edema reduced the lumen diameter of the organ making it difficult to breath. In subjects with extensive lung hemorrhage, confluent parenchymal hepatization with bleeding into the bronchi and trachea was present. The gastrointestinal (GI) tract was scored negative for no injury, trace for minor contusions with intact mucosa with no more than two gut layers or two organs involved with the contusions distributed over an area of less than 10 cm², slight for scattered contusions

generally distributed over an area of 10 cm² with mucosal ulcerations, moderate for multiple transmural contusions with mucosal ulcerations encompassing more than 10 cm² surface area, and extensive for large areas of transmural contusions with concomitant perforation of the gut wall. Solid intra-abdominal organ injuries were graded negative for no injury, trace for small subcapsular contusions or hematomas involving less than 10 percent of one or two organs, slight for subcapsular contusions or hematomas involving less than 30 percent of one or more organs with slight tears in the organ possible, moderate for deep tears in the liver and/or maceration of the spleen with up to 60 percent of the organ damaged, and extensive for deep tears in the liver and/or maceration of the spleen with more than 60 percent of the organ traumatized.

The alphanumeric pathology scoring system for the most commonly injured nonauditory organs is listed as follows:

Pathology Scoring System

| Severity | Lung | Phx/Lyx | Trachea | GI Tract | Intra-abdominal |
|---------------------|-------|---------|---------|----------|-----------------|
| Negative | 0 | 0 | 0 | 0 | 0 |
| Trace | 1-4 | 1-4 | 1-4 | 1-4 | 1-4 |
| Slight . | 5-21 | 5-16 | 5-18 | 5-18 | 5-18 |
| Moderate | 22-36 | 17-22 | 19-28 | 19-28 | 19-28 |
| Extensive | 37+ | 23+ | 29+ | 29+ | 29+ |
| Maximum Possible | 64 | 60 | 55 | 48 | 44 |

The ears were evaluated based upon the percentage of eardrum ruptured. An additional numerical score was given for each ear for the amount of eardrum damaged and ossicular chain involvement.

Each individual injury score was divided by its preassigned maximum possible score to arrive at a severity of injury ratio for that organ or system. The presence or absence and the extent of a pneumothorax, hemothorax, hemoperitoneum, coronary air or cerebral air were summed and added to the sum of the ratios. The resulting value was then multiplied by 1 or 2 depending upon whether the subject was a survivor or fatality to arrive at an adjusted severity of injury index by excluding the ear damage values from the sum of the ratios. Lethality would probably have been higher had the subjects been held for 24 hours after exposure. Some of the surviving test subjects sustained significant solid organ damage with concomitant hemoperitoneums and would probably have died overnight.

Instrumentation

Piezotronics (PCB) Model 102M152 or Model 102M165 piezoelectric pressure transducers as well as the instrumentation cylinder, provided by the Walter Reed Army Institute of Research (WRAIR) were used during the study. The instrumentation cylinder was fitted with four ablative coated PCB Model 102M125 gages at 90-degree intervals around its circumference and at the midpoint of its long axis. The 102M152's and 102M165's were used as side-on free air gauges mounted vertically with their sensing elements

pointing face-up or mounted face-on in one to two of the enclosure A 1- to 2-mm-thick layer of temperature resistant, high vacuum grease impregnated with charcoal was coated on the sensing element of each of the free air gauges before each shot to mitigate any thermal or flash effects. Signals from the transducers were passed out of PCB inline voltage mode followers into power conditioners through Tektronix Model AM502 differential Unfiltered signals were simultaneously amplifiers unfiltered. recorded on an Ampex Model PR2230 dc to 80 khz FM tape recorder and digitized over 13 of 15 segments of 8k data points each at a 4 microsecond sample interval with a Pacific Instruments data acquisition system operating in conjunction with a Compaq Desk Pro Model 386/20e personal computer. The first two segments of the 15 were used to establish the baseline for the data array. The analog tape was kept for archival purposes. The digitized data stored on 20 Mbyte Bernoulli disk cartridges and 1.4 Mbyte floppy disks for analysis using the blast data acquisition and analysis software developed for EG&G by Professional Computer Consultants. The data stored on the 1.4 Mbyte floppy disks was also sent the WRAIR for further analysis.

Data Analysis

Injury levels in terms of damage to specific organs and adjusted severity of injury indices were listed as a function of range and charge weight in the three enclosures and correlated with specific parameters of the complex blast waves of the type

illustrated in Figure 2. The blast analysis program calculated and generated a printed report of the various correlates from the pressure-time data recorded during each test. The parameters included in this report were the following:

- 1. Maximum Peak Pressure (P_{max}) . The entire waveform was scanned to find the positive peak pressure in the data array as well as the time to peak.
- 2. Maximum Impulse (I_{max}) . The maximum impulse was determined by integrating the complex wave to the point in time that the maximum value of the pressure-time curve was reached.
- 3. Smoothed Peak Pressure (P_{sm}) . A smoothing routine was used to recalculate each pressure-time data array to emphasize the pressure associated with the maximum energy relative to the total duration of the reverberant wave. A 351 point fixed-size moving window which corresponded to a 175 point half window on either side of the data being operated on was used to derive P_{sm} . The resulting P_{sm} represents the peak value of the smoothed pressure-time history. Figure 3 illustrates the effect of the smoothing routine on Figure 2.
- 4. Average Peak Pressure (P_{20}) . The average pressure was determined by summating the pressure pulses that exceeded twenty percent of P_{mex} and dividing the sum by the number of pulses over the first 50 ms of the pressure-time recording. The resulting P_{20} is a square wave with a

- duration of t_1 to t_n corresponding to the time interval between the first and last pressure pulse measured.
- 5. Average Impulse (I_{20}) . The average impulse was calculated by taking the P_{20} square wave calculated above and multiplying it by the duration $(t_n t_1)$ arrived at in item 4 above.
- 6. Effective Impulse Power (EIP). The effective impulse power or energy in the first 20 ms of the complex reverberant wave was determined by taking the integral of the pressure squared over the first 20 ms of the pressure-time recording from t_0 to t_{20}

RESULTS

The experimental results from the two protocols were incorporated to facilitate presentation and are presented in the order of the objectives listed above. All of the tabulated pressure-time data are listed in Tables B-1 through B-51 of Appendix B. They are arranged in terms of enclosure size, gauge type, range and ascending order of charge weight within a table. Tables B-1 to B-14 are instrumentation cylinder pressure-time summaries for configuration A and B animal tests. Tables B-15 to B-25 relate to the "calibration shots" done without animals in the chamber. Side-on free air gauge summaries for configurations A and B with and without animals are listed in Tables B-26 to B-37. Wall gauge pressure-time values for configurations A-9 to B-9/2 with and

without sheep are given in Table B-38 and B-39. Animal gauge measurements for configurations A-1 to B-9/2 are tabulated in Table B-40. Configuration C and D instrumentation cylinder summaries for the animal tests are given in Tables B-41 to B-45 and Tables B-46 to B-50 respectively. The orientation experiment calculations are listed in Table B-51. The pathology data sheets which include the eardrum rupture evaluations are presented in Tables C-1 through C-2 of Appendix C. Tables 3 and 4 are summaries of the pressure-time measurements and pathology data from Appendices B and C. Table 3 relates to the protocol one results and Table 4 to protocol 2. These data are presented in terms of enclosure size, range, and ascending order of charge weight. Pmax, Psm, and EIP are listed for each group.

For this study the average blast load on the instrumentation cylinder for a given position in any of the enclosures or in the freefield was considered to be the blast dose to an animal exposed in the same equivalent location.

In most cases the average pressure-time values were calculated from the two side-on (numbers 1 and 2) and one back-on (number 4) of the instrumentation cylinder for each configuration, charge weight and range for correlation with the severity of injury indices of each exposure group. If there was more than one data set per location and configuration they were averaged together. The cylinder pressure-time values were also compared to the lung weight percent of body weight data from the 3.05 x 2.44 x 2.44-m enclosure. Gauge 3 of the instrumentation cylinder, was directly

face-on to the blast and the amplifier gain was set low to accommodate the reflected spike. The resulting records were of little value because of the poor resolution and were not used. There were a few exceptions in which gauge three was not directly facing the charge (configurations A-9/2, A-10/2 and B-10/2) and in these instances it was included in the average.

Pressure-Time Parameters

The instrumentation cylinder pressure-time data recorded in the 3.05 x 2.44 x 2.44-m enclosure for configurations A-1 through A-8/5 are presented as Table 5. Maximum and smoothed peak pressures as well as the maximum impulse values for shots with and without animals were listed side-by-side and grouped in ascending order of range and charge weight for configurations A-1 through A-The data for the 454g detonations from 7 for comparison. arrangement A-8 and A-8/3 through A-8/5 were listed according to A linear regression analysis along with t-tests of significance of linearity and degree of correlation between x and y variables was done on the maximum pressure values for each group since they appeared to have the most scatter of the three listed parameters and are given in Table 5 also. There was little or no difference between the two sets of Pmax values except at the 1.22m range. Most of the variability in the 1.22- m data was caused by the gauge that was against the wall and would have been little affected by an animal in the immediate vicinity of instrumentation cylinder.

Injury Level Correlations

For the convenience of discussion, objective two of protocol one and objectives five and six of protocol two were grouped together under one heading. Linear regression analyses were done to correlate the severity of injury indices (SI) and the lung weight percent of body weight data in two cases with the various calculated pressure-time parameters from the three enclosures. Second order polynomials were derived to fit lines to the data points. The residual sum of squares, SS(res), were also calculated for each data set to indicate how well the equations for the lines explained the relationship among the variables. Additional simple regression analyses along with t-tests for linearity and x,y correlations were done to establish the levels of significance of the measurements.

3.05 x 2.44 x 2.44-m Enclosure

The severity of injury indices, pathology scores and the lung weight percent of body weight data along with the corresponding Pmax, Psm and EIP values for each group are presented in Table 3. Of the six pressure-time parameters (Pmax, Psm, Imax, P_{20} , I_{20} and EIP) chosen to correlate with the severity of injury indices Pmax, Psm, and EIP fit the best and are illustrated in Figures 4, 5 and 6. All three plots demonstrate significant linearity and x,y correlation and are statistically quite similar. There was so much

scatter associated with the lung weight measurements, that only the data points and the control lung weight percent body weight line are illustrated in Figures 7 and 8 for Psm and EIP respectively.

4.88 x 3.05 x 2.44-m Enclosure

As described above, the severity of injury indices, pathology scores, and the lung weight percent of body weight data along with the corresponding Pmax, Psm, and EIP values for each group are listed in Table 4. The regression analyses for Pmax, Psm and EIP are illustrated in Figures 9, 10 and 11 respectively. The severity index versus EIP plot is a better fit of the data than the Pmax or Psm comparisons. There were lethality reversals associated with both Pmax and Psm but not with EIP.

The injury evaluations from Table 4 for the sheep exposed to 1361- g charge detonations in different orientations in the freefield were compared to data from the same table for sheep exposed to the same charge weight detonations in the enclosure. This comparison is presented in Table 6. The most obvious difference between the sheep exposed in the enclosure and those animals exposed in the freefield to 1361- g charge detonations was that two of five and five of five of the animals exposed at 1.22 and 2.44 m respectively in the enclosure were killed and all of the freefield exposure animals survived. The Psm exposure doses produced by the 1361- g charge detonations were from 3 to 10 times higher at 1.22 and 2.44 m respectively in the enclosure than in the

freefield at the same ranges. The Scheffe' probability matrix derived from the one-way ANOVA of the severity indices indicated that exposure orientation exerted only a weak influence on animal response. This lack of influence is surprising but may be due to the small sample sizes and scatter in the data.

3.05 x 1.52 x 2.44-m Enclosure

Severity of injury indices, pathology scores and lung weight percent of body weight values are presented in Table 4. The regression analyses for Pmax, Psm and EIP are illustrated in Figures 12, 13 and 14. The severity indices versus EIP plot is a slightly better fit for the data than the Pmax or Psm comparisons. The distribution of EIP values as a function of range is more consistent.

Combined Enclosure Analyses

Findings for the severity of injury index versus Pmax, Psm, and EIP from the three different rooms were then grouped together and analyzed in terms of individual data points and mean values. The resulting regression analyses of the grouped means are illustrated in Figures 15, 16 and 17. In these comparisons, the severity indices plotted as a function of Psm appears to be the better fit for the combined volumes although all three demonstrate significant linearity and x,y correlation. The Pmax and EIP plots allow non-lethality at extremely high dose levels and Psm doesn't. With Psm, there is considerable separation between the highest non-

lethal point (350 kPa) and the highest exposure condition (550 kPa). In addition, the EIP plot allows severity index values of 0.78 and 0.99 (slight injury) below 20,000 kPa²*ms. This results in a no injury band that is restricted to below 10,000 kPa²*ms which is only a small portion (1/17) of the total band.

Jet Simulation

Data collected from the dual charge detonation tests depicted in Figures A-16 and A-17 (configurations A-10 and A-10/2) of Appendix A were compared with that collected from the single charge detonations illustrated in Figures A-13 and A-14 (configurations A-9 and A-9/2). These comparisons are presented in Table 7 and shown in Figure 18. Neither of the comparisons demonstrate very strong linear tendencies or correlation coefficients as indicated by the significance levels but the measurements do show specific trends. Animals exposed to a single 454-g charge detonated at 0.91 m were more seriously injured than those exposed to simultaneous dual charge detonations of 227 g each or a combination of 227 and 454 q at ranges of 0.91 and 2.93 m respectively. One of the sheep exposed to the 227-454-g charge combination at 0.91 and 2.93 m died from a spontaneous hemorrhage from the nose and mouth one hour and 15 minutes following exposure. This subject would have had a severity of injury index score of 1.98 if it had lived. subjects at 1.71 m from a single 454 g explosion or at an equidistance of 1.71 m from dual charge detonations demonstrated a graded response with increasing charge weight equivalence taking

into account the 2w effect of the walls. The pressure-time histories from four shots for gauges 1, 2 and 4 from configurations A-9, A-10 and A-10/2 are illustrated in Figures 19, 20, and 21. Individual animal response data which includes the severity index (S.I.), lung weight expressed as a percent of the body weight (Lw/Bw %) and lung hemorrhage distribution associated with these pressure-time records along with the measured Pmax, Psm and EIP are listed in Table 8. The "Bowen Single Lung Model" program was used to calculate the peak intrathoracic pressures and maximum chest wall velocities listed in Table 8 from the digitized pressure-time data illustrated in Figures 19, 20, and 21. 10 A one-way analysis of variance (ANOVA) of the measured and calculated values demonstrates that there are no significant differences among the three groups of values. However, the individual animal response data shows that sheep 79 had the highest lung body weight percent of the three animals listed and would have had the highest severity index had sheep 117 survived. Sheep 79 also had more right lung hemorrhage than left which corresponds with the maximum chest wall velocity of 16.7 m/s calculated from the digitized gauge 4 recording.

Quasi-static Pressure Evaluation

Pathology assessments listed in Table 3 from the tests depicted in Figures A-13 and A-14 (configurations A-9 and A-9/2) of Appendix A in which the chamber door and vent were open are presented in Table 8 and illustrated in Figure 22. The pathology

results from the same table and derived from the experiments shown in Figures A-18 and A-19 (configurations B-9 and B-9/2) of Appendix A in which the chamber door was locked and vent closed are also given in Table 9 and shown in Figure 22 for comparison. The corresponding instrumentation cylinder pressure-time measurements are listed. A one-way ANOVA was done on the lung weight percent of body weight, pathology scores, and severity of injury indices data for the six groups listed. The F-ratios and levels of significance are listed at the bottom of the page. Overall, there was only one apparent difference between the two groups. were more severe solid intra-abdominal organ injuries in the subjects in the corners at 2.71 m when the chamber door was not open. The most obvious answer for the difference in solid organ damage was that the pressure levels were different. If that was the only reason, there should have been differences apparent in other organ injury comparisons. A Scheffe' probability matrix derived from the ANOVA indicated that this difference was only significant between the 2.71 and 1.71 m (p=0.008) subjects in the chamber with the closed door and between those at 2.71 m with the closed door and the sheep at 1.71 m (p=0.032) in the room with the open door.

Wall and side-on gauge pressure-time measurements for these configurations are presented in Table 10 to demonstrate the changes in the pressure-time parameters, depending upon whether the chamber door and vent were open or not. The pressure-time waveforms for gauges 9, 10 and 11 are also illustrated in Figures 23, 24 and 25.

A Kruskal-Wallis analysis of variance for nonparametric measurements (KANOVA) was done on the Pmax, Psm, and Imax ratios of the two chamber configurations. In general the maximum impulse measured by the side-on and mid-wall gauges was significantly lower (p=0.0001) by a factor of 2 to 8, depending upon the location, when the door and vent were open. The presence or absence of animals in the chamber made no difference (p=0.8393) as demonstrated by the comparison between [G1] and [G4]. The most interesting finding was that the resonant frequency damped out faster with the loss of quasi-static pressure. This may account for the observed decrease in solid intra-abdominal injuries.

Comparison of Charge/Volume Ratios with Lung Injury

The charge/volume ratio or loading density for each charge weight and enclosure volume used in this study were determined from the information in Tables 3 and 4 and listed along with the associated lung injury data in Table 11. Loading density data from five previous studies are also entered for comparison. A regression analysis using a second order polynomial to fit the data points was done to compare the mean lung weights expressed as a percent of the body weight to the to the different loading densities in each enclosure volume. The resulting analysis is illustrated in Figure 26 in a log-linear format in which the lung weight body weight percent measurements are plotted against loading density. A simple regression analysis indicated significant linearity and x,y correlation (p<0.001) between the lung values and

loading density. The lung weight data was proportional to the loading density and lethality began as the percentage values exceeded baseline and loading density approached 0.025 kg/m^3 .

DISCUSSION

Pressure-Time Parameters

For the 3.05 x 2.44 x 2.44-m enclosure, the instrumentation cylinder pressure-time measurements recorded without animals did not change to any noticeable degree when animals were introduced. This doesn't mean that this lack of effect will hold true in smaller volume enclosures. At some point, as chamber volume decreases the introduction of animals in close proximity to the instrumentation cylinder or to each other should influence the reflected wave pattern incident to the animal or the cylinder.

Injury Level Correlations

The severity of injury indices appeared to correlate best with the smoothed peak pressure for the three combined volumes. While EIP was a better predictor for some individual cases, Psm is a better all-around measure. Non-lethality at the high dose levels limit Pmax and EIP as significant injury correlates as demonstrated in Figures 15 and 17. EIP is further restricted by the 0.78 and 0.99 severity index values occuring below 20,000 kPa²*ms. In addition, the EIP calculation as it was used is dependant upon a 20 ms cutoff time where the Psm is calculated over the entire

waveform. It might be advantageous to develop a dual function algorithm which utilizes both the Psm and EIP calculations. For example, the Psm peak would be determined first then a selected time domain EIP would be calculated around the Psm peak.

Figure 16 was converted to an injury prediction curve using smoothed peak pressure as the predictor and is illustrated in Figure 27. In our opinion, the severity index data predicts a no injury window for a Psm extending from 0 to 57 kPa. The 57 kPa was adjusted upward from the 49kPa zero crossing of the curve to compensate for the control injury level. Trace to slight injuries with corresponding severity of injury indices ranging from 0.05 to 0.66 are estimated for the 57.1 to 130 kPa window. For pressures ranging from 130.1 to 221 kPa, slight to extensive injuries are predicted for indices of 0.67 to 1.81. Moderate to lethal levels of injury are expected for values of 1.82 to 6.1 over a pressure range of 221 to 428 kPa. At pressures above 428.1 kPa, lethality will exceed 50 percent.

Pmax can be converted to Psm pressures for Pmax measurements up to about 700 kPa using the equation illustrated in Figure 28. There is a reasonable linear relationship between Pmax and Psm from 0 to 700 kPa. Beyond 700 kPa, the correlation between the two breaks down.

EIP can be converted to Psm units using the equation illustrated in Figure 29. There is a good point fit between 10,000 and $100,000 \text{ kPa}^2*\text{ms}$.

Injuries sustained by subjects in the enclosure for a given

charge weight and range were clearly more severe than those produced in the freefield at the same range from an equivalent charge explosion. This is because the incident pressures in the freefield and in the enclosure at equivalent ranges from the detonation of the same charge weight are quite different as seen in Figure 30. The "incident" wave that strikes the test subject in the enclosure would probably be better described as the "reflected incident" wave. Reflected shocks from the floor, ceiling and walls focus at the target and produce a shock wave with a Pmax that is from 2 to 7 times higher (3 to 10 times in the case of Psm) than the equivalent freefield incident wave as was demonstrated by the values listed in Table 6. The freefield orientation effects data does not compare favorably with the Psm injury prediction curve. The 351 point smoothing function window is large compared to the freefield waveform of less than one millisecond shown in Figure 30 causing the waveform to be underestimated. Severity of injury indices associated with these values can be adjusted to fit the Psm prediction curve by multiplying the calculated freefield Psm values by 2.

The complex wave pressure-time measurements from these tests are being used as input to the "Bowen Single Lung Model" to calculate chest wall velocity as function of complex wave loading pressures in a cooperative effort with Hakan Axelson from the National Defence Research Establishment, Sweden. Preliminary results indicate there appears to be a good correlation between the severity of injury indices and calculated chest wall velocities

with relationship to the Bowen survival curves. 11,12

The Psm injury prediction curve can also be applied to the Bowen survival curve illustrated in Figure 31. By using Figures 27 and 28, Psm values of 100 (midrange of the trace to slight injury band), 221 (lower limit of moderate to lethal injury band), and 320 (midrange of moderate to lethal injury band) kPa convert to Pmax values of 320, 790, and 1375 kPa respectively. Dividing these numbers by 6.894757 yields pressure units of 46, 115, and 199 psi. These pressure levels correspond to the threshold for lung hemorrhage, 99 percent survival, and 50 percent survival curves respectively for 2.5 to 3.0 ms duration Friedlander waves. These durations are equivalent to the 'effective' individual pressure pulses in the complex wave assuming limited additive effects from the multiple shocks associated with the reverberant wave.

Jet Simulation

Results that were illustrated in Figure 18 of the jet simulation experiment along with the pressure-time parameters shown in Figures 19, 20 and 21 suggest two separate effects. As demonstrated by the gauge 4 trace of Figure 19, for animals at 0.91m in the corner, the incident and reflected waves focus in the corner and are primarily responsible for injury production. Figures 20 and 21 show that at longer distances from the explosive source the reflected waves tend to stay more spatially separated in time to produce a less severe effect. The corner effect is further illustrated by the chest wall velocity calculations

presented Table 8. The gauge 4 pressure-time input into the lung model predicted an extremely high 16.7 m/s chest wall velocity. This velocity was sufficient to produce extensive lung hemorrhage in the test animal and was more severe in the lung facing the corner.

Quasi-static Pressure Evaluation

Figures 23, 24 and 25 demonstrate the principal reason that there were no dramatic differences in injuries between the sheep exposed in the chamber with the door and the vent open and those tested with the door locked and vent closed. It appears that the first 10 ms or so of a complex wave event with this class of waveforms is important in injury production. A comparison of the pressure-time patterns between the two test modalities for wall gauges 10 and 11 indicated that there were no major differences in the pressure-time histories during the first 10 to 12 ms. pattern for gauge 9 in the doorway showed a more dramatic alteration even over the first 10 ms with the door open inasmuch as it was directly in the flow field but there were no animals placed at that position in the open doorway. They were in the opposite corner away from the door. Slight differences in solid intrabdominal injuries suggest that the 60 Hz frequency of the waveform which corresponds to the resonant frequency of the animal may be more important for this type of injury than for intrathoracic trauma. With the door closed, the animal would be able to resonate for a longer period, thus allowing more motion of the

diaphragm which would increase the differential shear between the liver and spleen and the diaphragm.

Comparison of Charge/Volume Ratios with Lung Injury

As indicated in the results, the data illustrated in Figure 26 demonstrates that lung weight expressed as a percent of the body weight increases with increasing loading density and lethality starts as loading density approaches 0.025 kg/m³. There would be a practical application of this relationship from a safety point of view in an explosive manufacturing or storage situation. The amount of explosive in the immediate vicinity of personnel could be limited to loading densities less than 0.025 kg/m³. Of course there would be a necessity to calculate minimum standoff distances from the explosive source before the lung body weight percent loading density relationship could be exploited to any degree.

CONCLUSIONS

Instrumentation cylinder pressure-time values recorded in the $3.05 \times 2.44 \times 2.44$ -m enclosure are not appreciably affected by the presence of animals in the vicinity of the cylinder.

The injury prediction curve using the severity of injury indices and smoothed peak pressure as correlates is an adequate model for the data that was collected in these experiments. It appears to correlate well with the Bowen survival curve. Future studies will determine whether or not it will be useful for predicting injuries from other classes of complex waves.

The jet simulation experiments demonstrate that the animals closest to one explosion source and in a corner may be more susceptible to unilateral injury than animals equidistant from the two explosions.

Quasi-static pressure per se doesn't influence nonauditory injury to any appreciable degree but the reverberant nature of the complex wave can be altered by changes in quasi-static pressure. Changes in the frequency content of the pressure-time history appears to have some effect on solid intra-abdominal organ response.

There is a simple relationship between lung injury and loading density. As loading density increases lung injury increases. This relationship is of limited usefulness because of two factors. There has to be an adequate separation distance between the subject and the explosion source (minimum separation of 1 m) and the subject cannot be in a corner.

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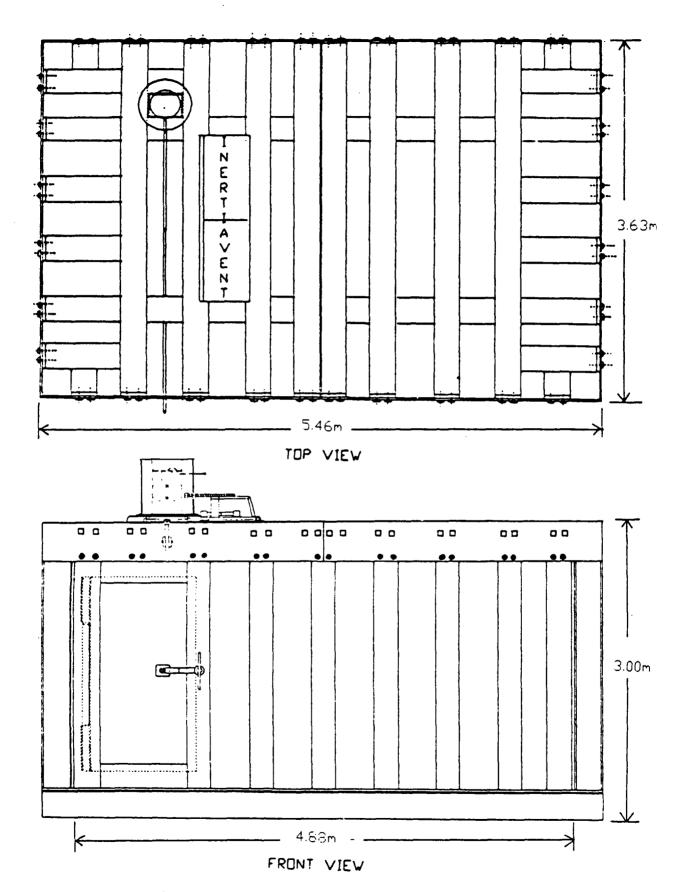


Figure 1. EG&G all-steel test enclosure.

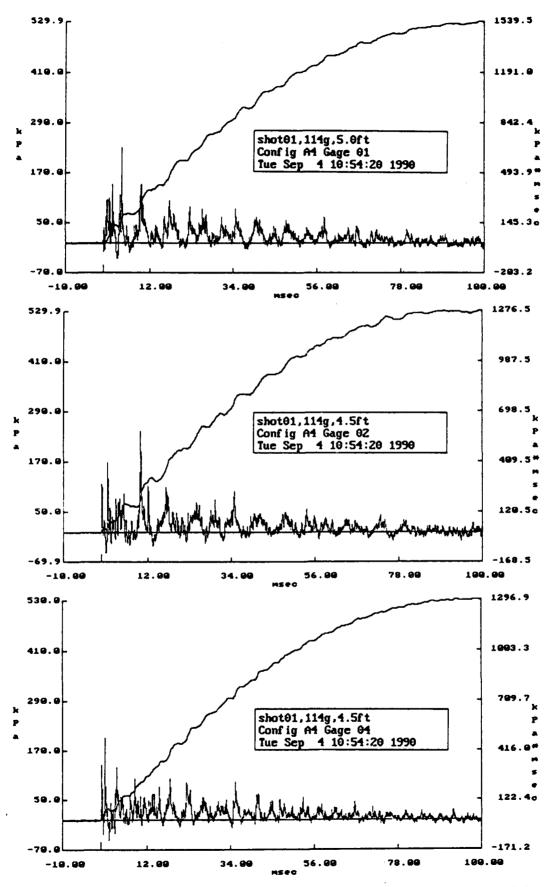


Figure 2. Typical complex wave pressure-time patterns recorded by gauges 1, 2 and 4 of the instrumentation cylinder in the 3.05 x 2.44×2.44 -m enclosure.

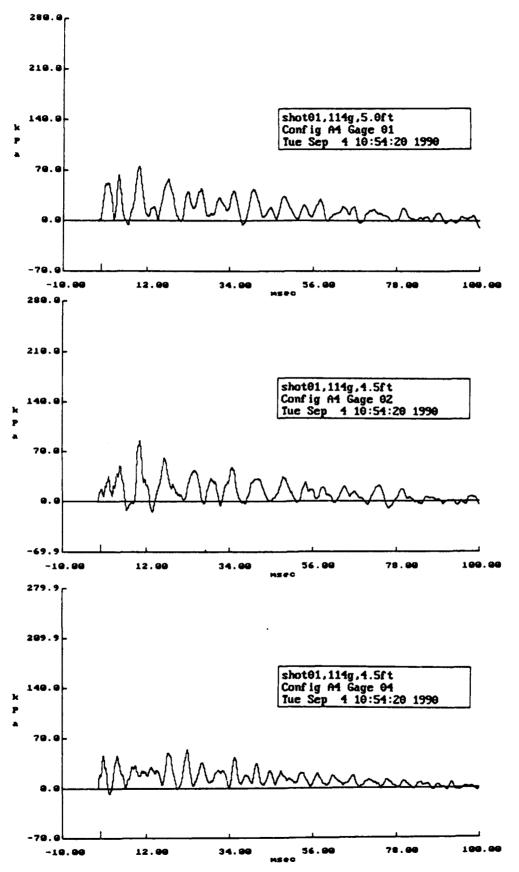


Figure 3. Effects of the smoothing function on the pressure-time patterns of Figure 2.

Figure 4. Individual severity of injury indices as function of maximum peak pressure in the $3.05 \times 2.44 \times 2.44$ -m enclosure (configurations A and B). $y = -1.0054444 + 0.0043295x - 0.00000008x^2$ SS(res) = 230.60 Correl. Coef. = 0.6150 R² = 0.3782 t = 8.5783 p < 0.001 \triangle Δ d Δ Maximum Peak Pressure, kPa

Figure 5. Individual severity of injury indices as a function of smoothed peak pressure in the 3.05 x 2.44 x 2.44-m enclosure (configurations A and B). $y = -0.2783379 + 0.0086210x + 0.0000063x^2$ 🛕 : Death SS(res) = 248.42 Correl. Coef. = 0.5802 R'2 = 0.3366 t = 7.8356 p< 0.001 Δ I n d e . 250 • Smoothed Peak Pressure, kPa

Figure 6. Individural severity of injury indices as a function of effective impulse power in the 3.05 x 2.44 x 2.44-m enclosure (configurations A and B). $y = 0.0475721 + 0.0000430x - 0.0000000001x^2$ ▲ : Death 12 SS(res) = 239.59 Correl. Coef. = 0.5912 R² = 0.3496 t = 8.0638 p<0.001 10 v e r i 8 t 6 Δ n d e 办 2 0 20000 40000 60000 80000 100000 120000 140000 160000 180000 Effective Impulse Power, kPa²ms

Figure 7. Individual lung weights expressed as percentages of body weight as a function of the smoothed peak pressure in the 3.05 x 2.44 x 2.44-m enclosure (configurations A and B). \triangle : Death

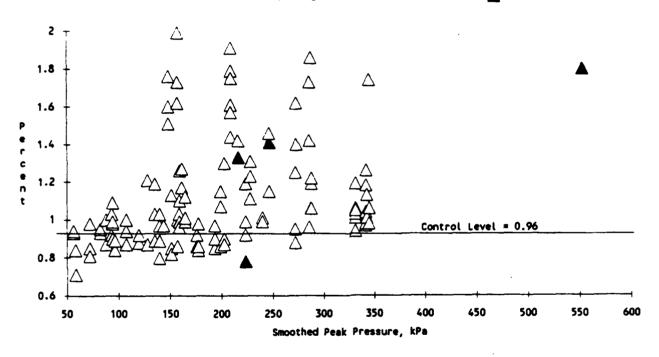


Figure 8. Individual lung weights expressed as percentages of body weight as a function of the effective impulse power in the 3.05 x 2.44 x 2.44-m enclosure (configurations A and B).

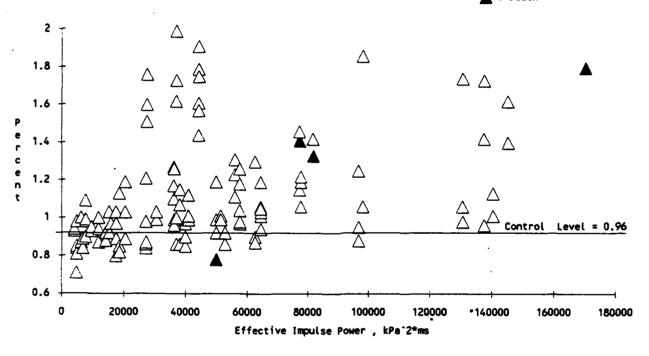


Figure 9. Individual severity of injury indices as a function of maximum peak pressure in the 4.88 x 3.05 x 2.44 - m enclosure (configuration C). $y = 0.508132 - 0.0036910x + 0.0000082x^2$: Death SS(res) = 306.62 Correl. Coef. = 0.7397 R² = 0.5472 t = 9.3924 p<0.001 I n d e Maximum Peak Pressure, kPa

Figure 10. Individual severity of injury indices as a function of smoothed peak pressure in the 4.88 x 3.05 x 2.44-m enclosure (configuration C). $y = -0.4208669 + 0.0049535x + 0.000035x^2$ SS(res) = 208.37 Correl. Coef. = 0.8325 R² = 0.6931 t = 12.8399 p < 0.001 r i t I n d Smoothed Peak Pressure, kpa

Figure 11. Individual severity of injury indices as a function of effective impulse power in the 4.88 x 3.05 x 2.44 - m enclosure (Configuration C). $y = 0.0511473 + 0.000032x + 0.0000000002x^2$ SS(res) = 188.36 Correl. Coef. = 0.8626 R'2 = 0.7440 t = 14.5657 p < 0.001 16 + Severi t ï n d e Effective Impulse Power, kPa²*ms

Figure 12. Individual severity of injury indices as a function of maximum peak pressure in the 3.05 x 1.52 x 2.44 m enclosure (configuration D).

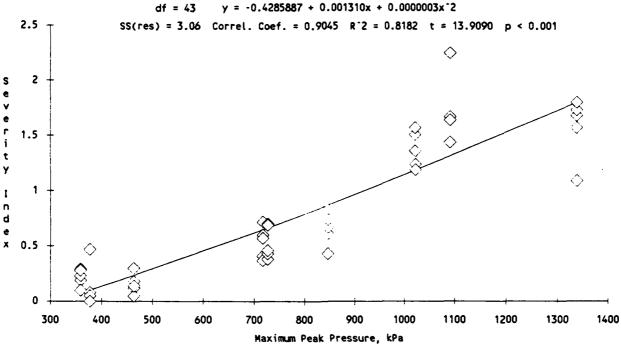


Figure 13. Individual severity of injury indices as a function of smoothed peak pressure in the 3.05 x 1.52 x 2.44 m enclosure (configuration D).

df = $43 \text{ y} = -0.3389456 + 0.0015405x + 0.000021x^2$

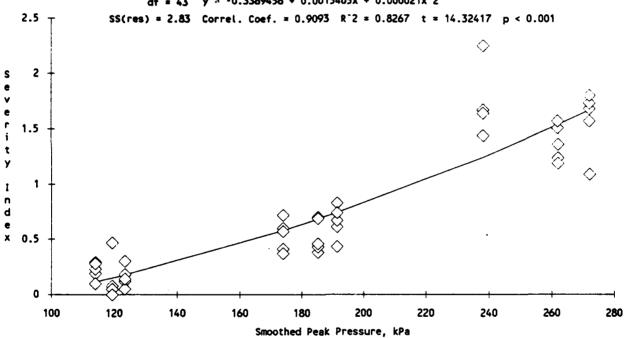
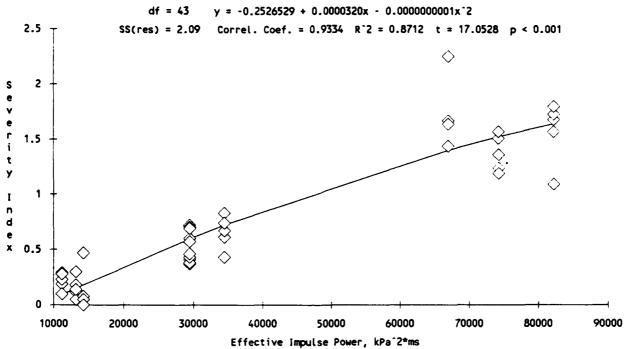
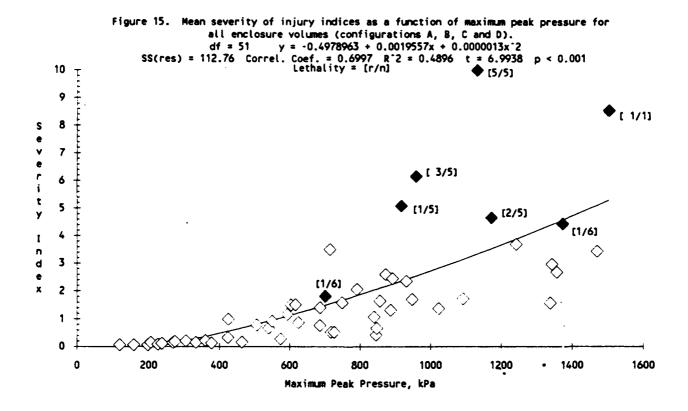
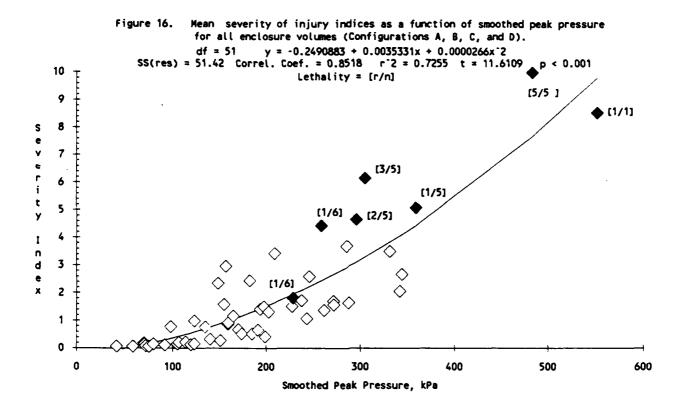


Figure 14. Individual severity of injury indices as a function of effective impulse power in the 3.05 x 1.52 x 2.44 m enclosure (configuration D).







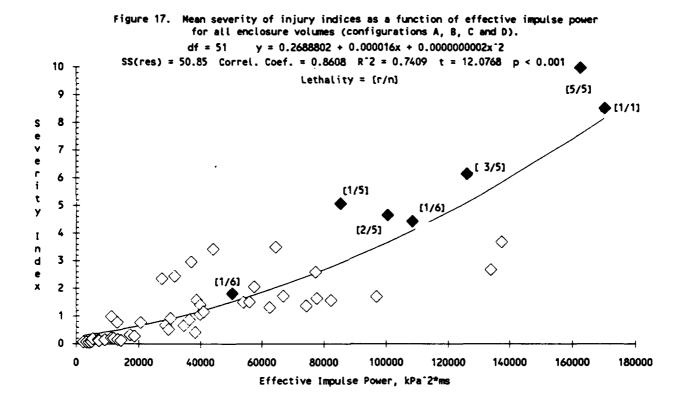
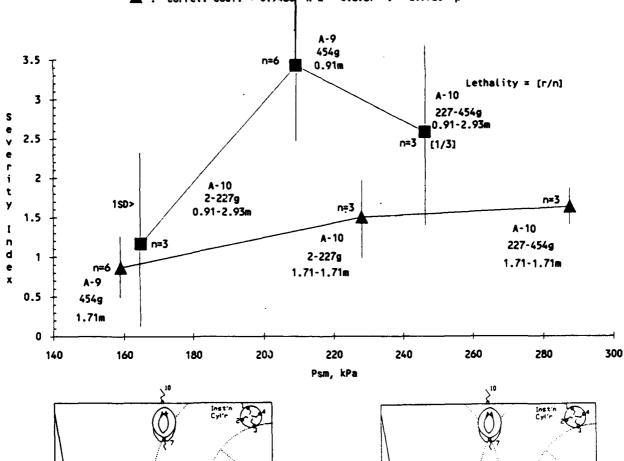
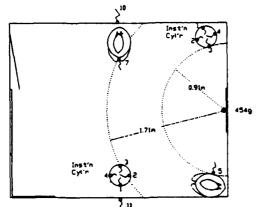


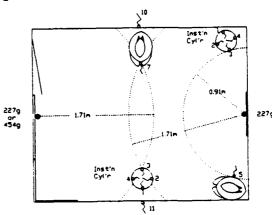
Figure 18. Comparison of severity of injury indices with the smoothed peak pressures from single and dual charge detonations.

: Correl. Coef. = 0.6588 R² = 0.4340 t = 0.8757 p = 0.542 Correl. Coef. = 0.9480 R² = 0.8987 t = 2.9780 p = 0.206A-9 **454g**









Combined Configurations A-10 and A-10/2

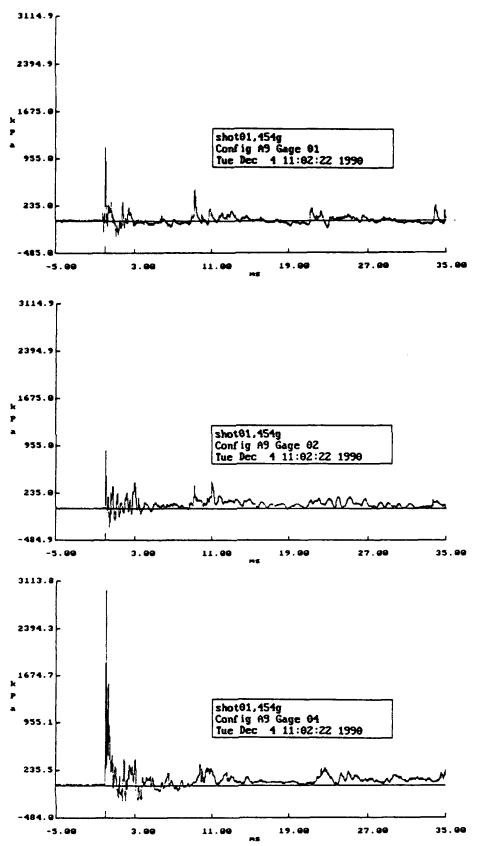


Figure 19. Configuration A-9 pressure-time recordings for gauges 1, 2 and 4 with the instrumentation cylinder at 3 ft/0.91 m from 454 g C-4 detonation. 58

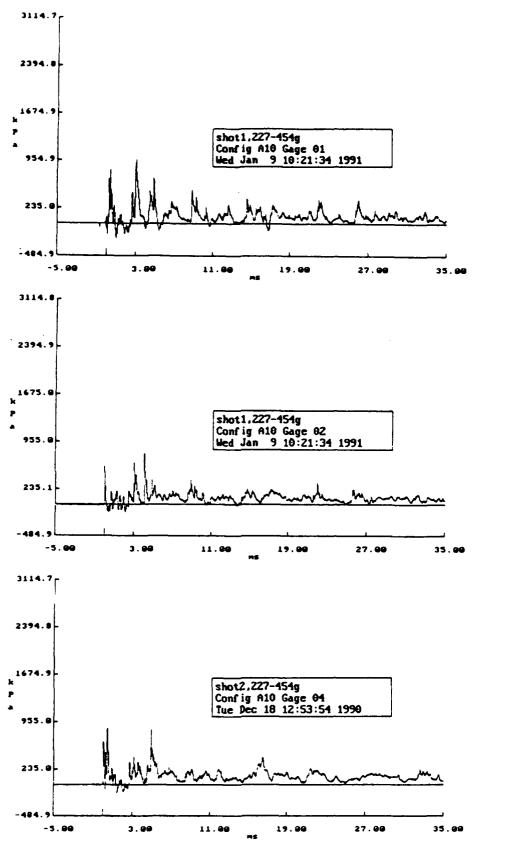


Figure 20. Configuration A-10 pressure-time recordings for gauges 1, 2 and 4 with the instrumentation cylinder at 3 ft/0.91 m and 9.6 ft/ 2.93 m from a simultaneous 227-454g C-4 detonation.

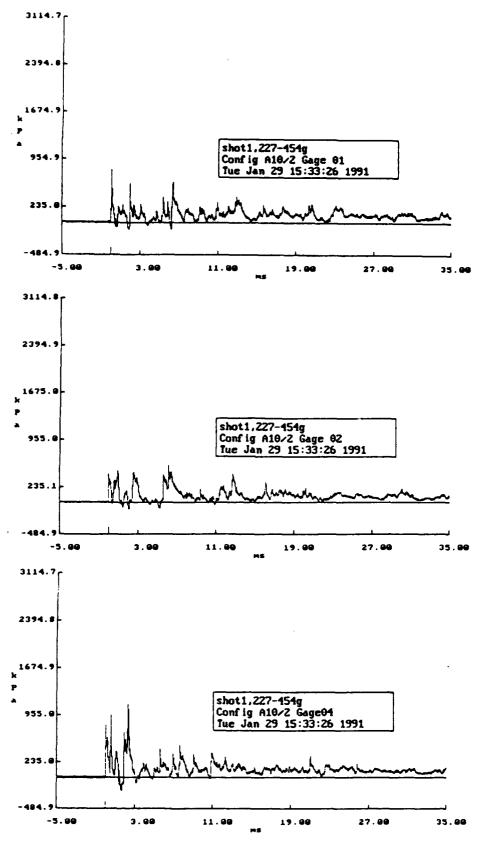


Figure 21. Configuration A-10/2 pressure-time recordings for gauges 1, 2 and 4 with the instrumentation cylinder at an equidistance 5.6 ft/1.71 m from a simultaneous 227g-454 g C-4 detonation.

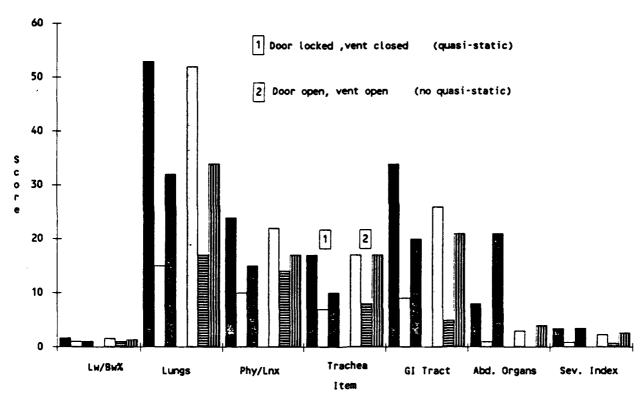
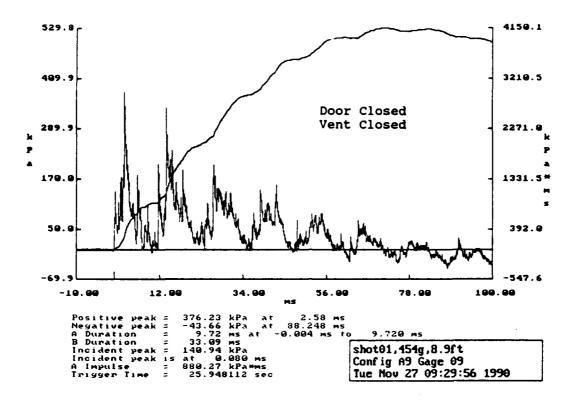


Figure 22. Comparison between injury levels in a quasi-static vs non-quasi-static pressure environment. Figure correlates with the data presented in Table $9\cdot$



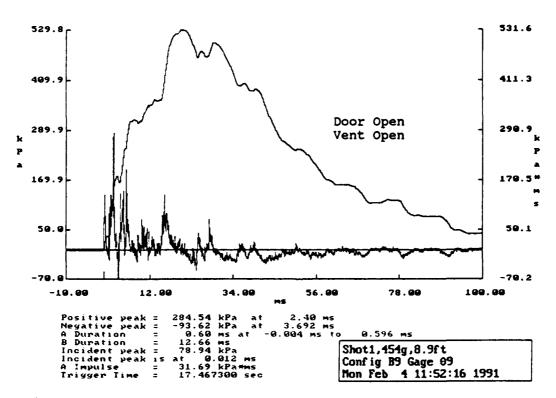
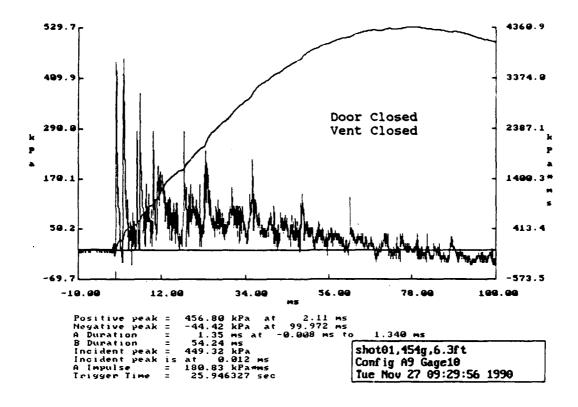


Figure 23. Door closed, vent closed compared to door open, vent open pressure-time recordings for side-on gauge number 9 at 8.9 ft/2.71 m from 454 g detonation in $3.05 \times 2.44 \times 2.44$ -m enclosure.



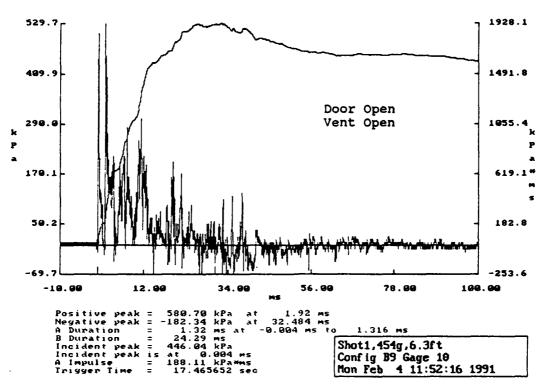
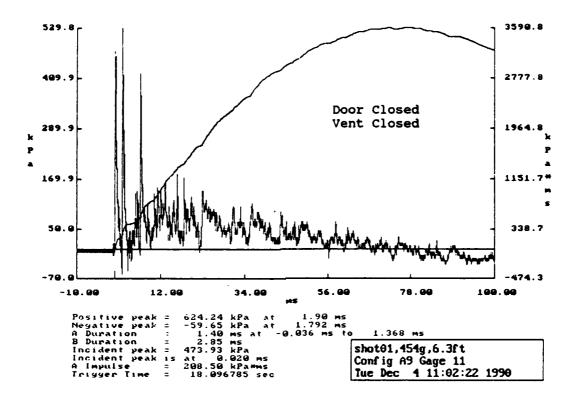


Figure 24. Door closed, vent closed compared to door open, vent open pressure-time recordings for wall gauge number 10 at 6.3 ft/1.92 m from 454 g detonation in $3.05 \times 2.44 \times 2.44$ -m enclosure.



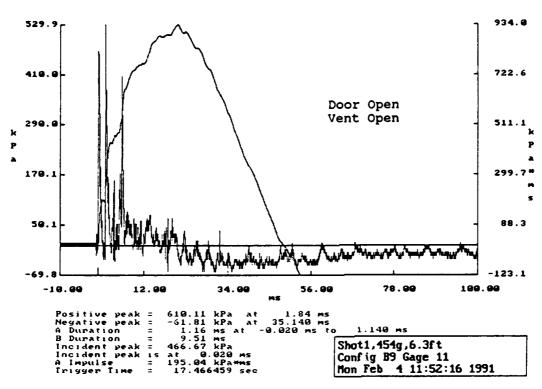
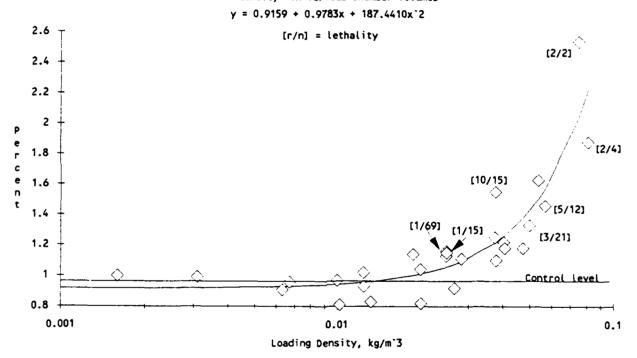


Figure 25. Door closed, vent closed compared to door open, vent open pressure-time recordings for wall gauge number 11 at 6.3 ft/1.92 m from 454 g detonation in 3.05 x 2.44 x 2.44-m enclosure.

Figure 26. Mean lung weight expressed as a percent of the body weight versus loading density in various chamber volumes



Smoothed peak pressure injury prediction curve for all enclosure volumes (Configurations A, B, C, and D). Figure 27. df = 51 $y = -0.2490883 + 0.0035331x + 0.0000266x^2$ SS(res) = 51.42 Correl. Coef. = 0.8518 r^2 = 0.7255 t = 11.6109 p < 0.001 10 No Trace Slight Moderate 9 \Diamond Injuries to to to 8 Slight Extensive Lethal Injuries 7 Injuries > 50% Mortality Injuries 6 5 \Diamond \Diamond d 3 $\overline{\Diamond}$ \Diamond 2 1 Control Level = 0.05 0 -0 500 600 100 200 300 400

66

Smoothed Peak Pressure, kPa

Figure 28. Relationship between the calculated smooth peak pressures (Psm) and the maximum pressures (Pmax) recorded in the 11.3-, 18.2- and 36.3-m⁻³ enclosures using the mean values of gauges 1, 2 and 4 on the instrument cylinder.

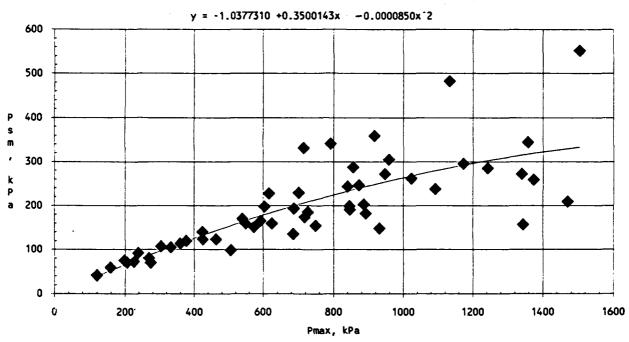
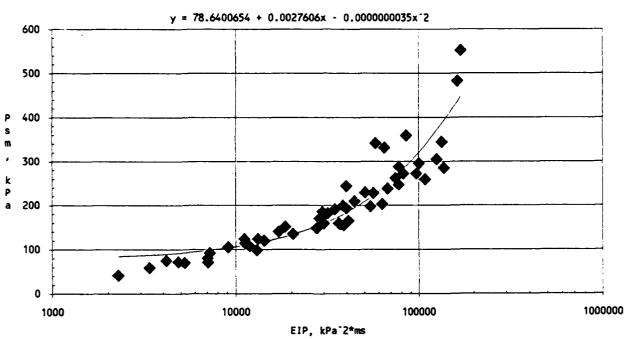
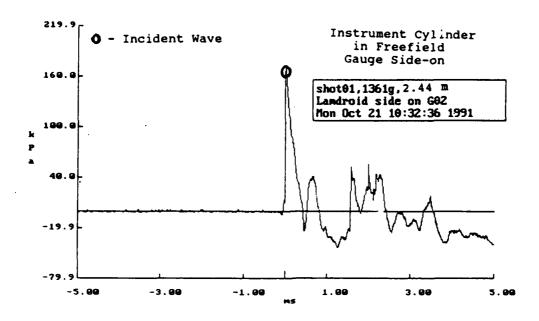


Figure 29. Relationship between the calculated smooth peak pressures (Psm) and the effective impulse powers (EIP) recorded in the 11.3-, 18.2- and 36.3- m⁻³ enclosures using the mean values of gauges 1, 2 and 4 on the instrument cylinder.





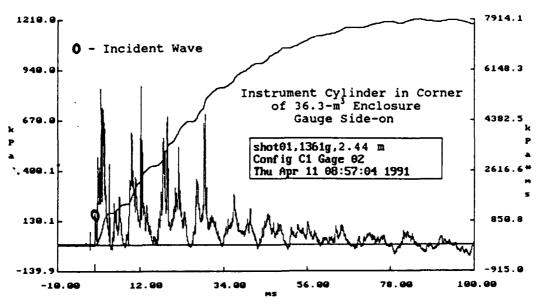
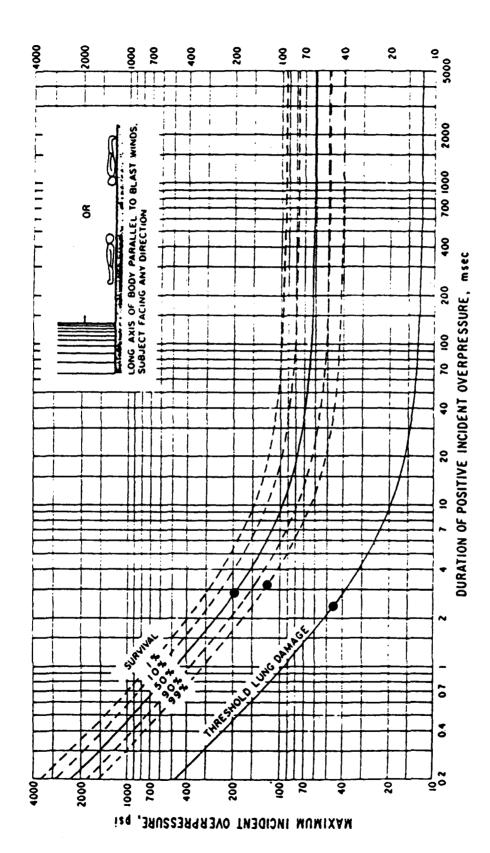


Figure 30. Comparison between the incident wave recorded by gauge 2 of the instrument cylinder outdoors in the freefield and in the $36.3-m^3$ enclosure at 8 ft/2.44 m from a 1361 g C-4 detonation.



Survival curves predicted for 70-kg man applicable to freestream situation where the long axis of the body is parallel to the direction of propagation of From Bowen, Fletcher and Richmond, the blast wave. Figure 31.

Table 1. Number of sheep, ranges, and charge weights used in the protocol one experiments in the $3.05 \times 2.44 \times 2.44$ -m enclosure.

| | Charge | No. of | | Numbe | r of She | ep per R | ange | | | No. per |
|---------------|----------|-----------|-------|----------|----------|-----------|----------|----------|-------|---------|
| Configuration | Weight,g | Shots per | 3ft | 4ft | 4.7ft | 5.6ft | 6.6ft | 8.9ft | 9.8ft | Charge |
| | | Charge | 0.91m | 1.22m | 1.43m | 1.71m | 2.01m | 2.71m | 2.99m | Weight |
| | | | | | Charge | in Cente | r of Roc | • | | |
| A-1 | 114 | 7 | 6 | 6 | 6 | | l | | | 18 |
| Through | 227 | 7 | 6 | 6 | 6 | Į į | | | | 18 |
| A-7 | 454 | 7 | 6 | 6 | 6 | | | ŀ | | 18 |
| | 907 | 7 | 6 | 6 | 6 | | | | | 18 |
| | Subtotal | 28 | 24 | 24 | 24 | | | | | 72 |
| | | | | | Charge | in Corne | r of Roo | M | | |
| A-8 | 454 | 5 | 5 | l | | | 5 | | 5 | 15 |
| Through | 907 | 11 | 1 | <u> </u> | <u> </u> | <u> </u> | 1 | L | 1 | 3 |
| A-8/5 | Subtotal | 6 | 6 | | | | 6 | | 6 | 18 |
| | | | | Charge | Centered | Against | One Wa | itt | | |
| A-9 | | | i | 7 | 1 | | | | | |
| Through | 454 | 6 | 6 | į | 1 | 6 | | 6 | | 18 |
| A-9/3 | | <u> </u> | | | | L | | | | |
| | | | | Charges | Centere | d Agains | t Opposi | te Walls | | |
| A-10 | 2-227 | 3 | 3* | | | 3 | İ | | | 6 |
| Through | 227-454 | 3 | 3* | | <u></u> | 3_ | | | | 6 |
| A-10/2 | Subtotal | 6 | 6 | | | 6 | | | | 12 |
| | | | | Charge | Centered | l Against | One Wal | · | | |
| B-9 | | | ŀ | | { | } | 1 | 1 | | |
| Through | 454 | 3 | 3 | | 1 | 3 | [| 3 | | 9 |
| B-9/2 | | | | | | | | | | |
| Controls | | | ١, | , | , | 1 | ١, | | | 5 |
| COILIOG | Total | 49 | 46 | 25 | 25 | 16 | 7 | 9 | 6 | 134 |

^{*} distance to closest charge

Table 2. Number of sheep, ranges and charge weights used in the protocol two experiments in the $4.88 \times 3.05 \times 2.44$ and $3.05 \times 1.52 \times 2.44$ -m enclosures and freefield.

| | Charge | No. of | | Number | of Sheep | per Ran | ge | No. per |
|---------------|----------|-----------|-------|----------|----------|----------|-------|---------|
| Configuration | Weight,g | Shots per | 3ft | 4ft | 4.2ft | 7ft | 8ft | Charge |
| | | Charge Wt | 0.91m | 1.22m | 1.28m | 2.13m | 2.44m | Weight |
| | | | 4 | .88 x 3. | 05 x 2.4 | 4-m Encl | osure | 7 |
| C-1 | 57 | 5 | | 5 | 1 | 5 | 5 | 15 |
| Through | 113 | 5 | | 5 | | 5 | 5 | 15 |
| C-1/4 | 454 | 5 | | 5 | | 5 | 5 | 15 |
| | 907 | 5 | | 5 | | 5 | 5 | 15 |
| | 1361 | 5 | | 5 | | 5 | 5 | 15 |
| | Subtotal | 25 | | 25 | | 25 | 25 | 75 |
| | | ľ · | 3 | .05 x 1. | 52 x 2.4 | 4-m Encl | osure | |
| D-1 | 113 | 5 | 5 | 5 | 5 | 1 | | 15 |
| Through | 227 | 5 | 5 | 5 | 5 | i | į | 15 |
| D-1/4 | 454 | 5 | 5 | 5 | 5 | l | | 15 |
| | Subtotal | 15 | 15 | 15 | 15 | | | 45 |
| | | | | 0ri | entation | Effects | | |
| Right-side-on | 1361 | j 3 | | 4 | | l | 2 | 6 |
| Left-side-on | 1361 | 2 | | 4 | | |] | 4 |
| Face-on | 1361 | 2 | | 4 | | | • | 4 |
| Back-on | 1361 | 2 | 1 | 4 | | i | | 4 |
| 45Degrees | 1361 | 2 | | 4 | | | | 4 |
| | Subtotal | 11 | | 20 | | | | 22 |
| Controls | | 1 | 1 | 1 | 1 | 1 | | 4 |
| | Total | 51 | 16 | 61 | 16 | 26 | 27 | 146 |

| 3.0.91 A-1 2 273.0 70.1 52 3.0.91 A-1 2 273.0 70.1 52 A-2 14 3 22 A-3 22 A-3 23 A-3 23 A-4 1500 505.5 98.2 133 3.0.91 A-1 500 505.5 98.2 133 3.0.91 A-1 500 505.5 98.2 133 3.0.91 A-1 8 749.2 154.9 388 A-1 8 749.3 154.9 388 A-1 8 749.3 157.0 348 | 5232 114 5232 114 5235 114 5235 114 680 S0 50 S0 13035 227 | g LWBW, x x x 0.71 | SDNOT | | DUADVIV | Ľ | | | TDACT | 8 | SOLID AB. | ¥ | |
|--|--|--------------------|-----------------|------|----------|-------|----------|----|----------|----------|-----------|----------|-----------------|
| A-1 2 273.0 70.1 A-2 14 A-3 22 A-3 22 A-3 22 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-1 50 505.5 98.2 A-2 16 A-1 50 505.5 98.2 A-2 16 A-1 50 505.5 98.2 A-2 16 A-3 25 A-3 26 A-3 28 A-4 9 A-1 8 749.2 154.9 A-6 1343.1 157.0 A-6 1343.1 157.0 | | 0.71 | | | AR 1RA/ | _ | TRACHEA | 3 | 7 | - | | ! | ADJ. SEV. |
| A-1 2 273.0 70.1 A-2 14 A-3 122 A-3 23 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-3 25 A-3 25 A-3 26 A-4 9 79 A-8 79 A | | | | | LARYNX | - | | | - | - | ORGANS | - | INDEX |
| A-1 2 273.0 70.1 A-2 14 A-2 15 A-3 22 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-1 6 A-1 500 505.5 98.2 A-2 16 A-2 16 A-3 25 A-3 25 A-3 26 A-4 9 8 749.2 154.9 A-6 79 A-8 79 A- | | + | | | | | | | | | | | |
| A-2 14 A-3 22 A-3 22 A-3 23 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-1 6 A-1 6 A-1 8 749.2 154.9 A-2 18 A-3 28 A-3 28 A-3 28 A-4 9 6 A-8 79 A-8 79 A-8 79 A-8 79 A-8/3 85 | | 78.0 | NEG | 0 | NEG | Н | NEG | 0 | ├┤ | | NEG | 0 | 0.33 |
| A-3 22 A-3 23 A-3 23 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-1 500 505.5 98.2 A-2 16 A-3 25 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-1 8 749.2 154.9 A-2 18 A-3 28 A-3 28 A-3 28 A-4 8 79 A-8 | | | NEG | - | RACE | - | | | TRACE | - | NEG | | 0.11 |
| A-3 22 A-3 23 A-3 23 A-3 23 A-1 500 505.5 98.2 A-1 500 505.5 98.2 A-2 16 A-2 16 A-3 25 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 19 A-1 8 749.2 154.9 A-3 28 A-1 9 6 A-8 79 | | 38 .0 | NEG | - | NEG | | | | TRACE | | NEG | | 0.15 |
| A-3 22 A-3 23 A-3 23 A-1 500 505.5 98.2 A-2 16 A-1 6 A-2 16 A-3 25 A-3 25 A-3 26 A-1 8 749.2 154.9 A-2 18 A-3 28 A-3 28 A-3 28 A-4 3 88 A-4 3 88 A-8 79 A-8 7 | | 0.89 | NEG | _ | NEG | _ | _ | 2 | St | 2 | NEG | 0 | 0.20 |
| A-3 23 A-1 500 505.5 98.2 A-2 16 A-2 16 A-3 25 A-3 25 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-3 28 A-3 28 A-4 18 A-6 18 A-8 79 A | | 0.93 | าร | 10 1 | RACE | 3 T | | Н | TRACE | _ | NEG | 0 | 0.32 |
| A-1 500 505.5 98.2 A-2 16 A-1 6 A-2 17 A-3 26 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 157.0 A-8 79 A-8 | | 76.0 | NEG | 0 | TRACE | | NEG (| 0 | NEG | | NEG | 0 | 0.05 |
| A-1 500 505.5 98.2 A-2 16 A-1 6 A-1 6 A-3 26 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 157.0 A-8 79 | | | TRACE | ┝ | TRACE | 2 1 | TRACE ' | ┝ | TRACE | - | NEG | L | 0.19 |
| A-1 500 505.5 98.2 A-2 16 A-1 6 A-2 17 A-3 26 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-1 8 749.2 154.9 A-8 79 A- | | | | 7 | | 7 | | 2 | | 4 | | ی | 0.11 |
| A-1 500 505.5 98.2 A-2 16 A-1 6 A-2 17 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-1 8 749.2 154.9 A-3 28 A-3 28 A-3 28 A-4 78 A-8 78 | | - | | 7 | | - | • | _ | | 2 | | 0 | 0.05 |
| A-2 16 500 505.5 98.2 A-2 16 A-1 A-2 A-3 25 A-3 26 A-1 B 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-1 B 749.2 154.9 A-3 28 A-1 B 749.2 154.9 A-4 3 28 A-1 B 749.2 154.9 A-8 79 A-8 A-8 79 A-8 | | - | | | | - | | H | | H | | - | |
| A-2 16 A-1 6 A-2 17 A-3 25 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-1 9 749.2 154.9 A-2 18 A-2 19 A-3 28 A-8 79 A-8 7 | | 1.03 | 00H | 33 | SL | _ | | | - | | NEG | | 1.83 |
| A-2 17 A-3 25 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 18 A-2 19 A-3 28 A-3 28 A-3 29 A-3 29 A-8 79 A | | 0.92 | 00 1 | 54 | S | 9 | NEG | 0 | SL | 2 | MEG | 0 | 0.73 |
| A-3 25 A-3 26 A-3 26 A-1 8 749.2 154.9 A-1 8 749.2 154.9 A-2 19 A-2 19 A-3 28 A-3 29 A-3 29 A-8 79 A | | 0.88 | SL | 15 | SL | _ | | 2 | | | MEG | 0 | 0.61 |
| A-3 25 A-3 26 A-1 8 749.2 154.9 A-2 18 A-2 18 A-3 28 A-3 28 A-3 28 A-8 76 1343.1 157.0 A-8 79 A-8 79 A-8/2 88 | | 0.92 | 75 | 12 1 | TRACE | m | 25 | 9 | | 12 | MEG | 0 | 0.70 |
| A-3 26 A-1 8 7/9.2 154.9 A-2 18 A-3 28 A-3 28 A-3 28 A-4 9 79 A-8 76 1343.1 157.0 A-8/2 88 | | 0.93 | าร | - | TRACE | 7 | _ | | St | | NEG | 0 | 0.47 |
| A-1 8 749.2 154.9 A-2 18 A-2 4.9 A-3 28 A-3 28 A-3 28 A-3 28 A-4 3 28 A-4 3 28 A-8 76 1343.1 157.0 A-8 77 1343.1 157.0 | | 0.95 | SL | 10 T | TRACE | 3 | NEG (| 0 | | 9 | NEG | 0 | 0.33 |
| A-1 8 749.2 154.9 A-2 18 A-2 A-3 28 A-3 29 A-3 29 A-8 78 A-8 78 A-8 A-8 78 A-8 A-8 78 A-8 A-8 78 A-8 A-8 A-8 A-8 A-8 A-8 A-8 A-8 A-8 A- | Mean | | 18 | Н | 1S | Н | TRACE | 7 | , IS | Ц | NEG | 0 | 0.78 |
| A-1 8 749.2 154.9 A-2 18 A-1 8 A-1 4.2 A-1 9 A-1 4.2 A | os | 0.05 | | 6 | | 2 | | 3 | | 80 | | | 0.54 |
| A-1 8 749.2 154.9 A-2 18 | SE | | | 7 | | - | _ | | | 3 | | 0 | 0.22 |
| A-2 18 749.2 154.9 A-2 18 749.2 154.9 A-1 9 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | | | | | | | | | | | _ | |
| A-2 18 A-1 9 A-2 19 A-3 28 A-3 29 A-8 76 1343.1 157.0 A-8/2 88 | 38686 454 | | SL | 21 | | | | | | | NEG | 0 | 1.48 |
| A-1 9 A-2 19 A-3 28 A-3 29 A-8 76 1343.1 157.0 A-8 79 1343.1 157.0 | | 0.92 | SL | 21 | | 8 | | | | | NEG | 0 | 1.61 |
| A-3 28 A-3 29 A-8 29 A-8 76 1343.1 157.0 A-8/2 38 | | 1.27 | EXT | 25 | 90 | | | - | | 20 | NEG | 0 | 2.31 |
| A-3 28 29 29 29 29 29 29 29 29 29 29 29 29 29 | | 1.17 | M-EXT | જ્ઞ | | _ | SI. | _ | 8 | _ | NEG | 0 | 1.44 |
| A-8 76 1343.1 157.0 A-8/2 88 | | 1.21 | 9 | 23 | ಸ | 9 | \dashv | 0 | | \dashv | ช | 9 | \$ |
| A-8 76 1343.1 157.0 A-8 79 85 | | 0.87 | St | 18 | \dashv | 2 | _ | Ц | _ | _ | TRACE | 3 | 1.02 |
| A-8 76 1343.1 157.0 A-8 79 85 A-8/2 88 | Mean | | 90 1 | 20 | | 10 | SL 1 | 10 | 9 | \dashv | TRACE | | 1.58 |
| A-8 76 1343.1 157.0 A-8 79 85 A-8/4 88 | 8 | | | 13 | | 9 | | 7 | | 9 | | 3 | 0.42 |
| A-8 76 1343.1 157.0 A-8 79 85 A-8/4 88 | SE | 0.08 | | 2 | | 7 | | 3 | | ~ | _ | - | 0.17 |
| A-8 76 1343.1 157.0 A-8 79 85 A-8/4 88 | | | | | | - | 1 | - | \dashv | + | - | - | |
| | 36996 454 | 1.62 | EXT | 77 | 1 | 22 | _ | 0 | 8 | | ببر | m | . .8 |
| | | 1.73 | EXT | 25 | | _ | | | | 52 | | | 4.19 |
| | | 1.00 | EXT | 39 | | | | | | - | NEG | | 1.90 |
| | | 0.86 | M-EXT | 38 | 8 | | SL | | EXT | 30 T | TRACE | | 3.24 |
| | | 1.99 | EXT | 87 | | | | | | | NEG | 0 | 3.55 |
| | Mean | Н | EXT | 77 | | 50 | SL 1 | 14 | | Н | TRACE | | 2.97 |
| | OS | 67.0 | | 9 | | 7 | | 6 | | 12 | | 2 | 1.01 |
| | SE | | | m | | _ | _ | 7 | | 5 | | <u> </u> | 0.45 |

| | | ADJ. SEV. | INDEX | | 3.79 | 2.40 | 3.77 | 7.96 | 2.41 | 3.30 | 3.44 | 0.97 | 07.0 | 2.60 | 2.14 | 2.33 | 2.36 | 0.23 | 0.13 | | 1.22 | 0.89 | 1.39 | 1.17 | 0.25 | 0.15 | 3.97 | 1.80 | 2.00 | 2.59 | 1.20 | 0.69 | |
|-----------------------------|-----------------|-----------|----------|--------|--------|------|-------|-------|--------------|-------|------|------|------|----------|-------------|--------------|----------|------|------|----------|--------|----------|-------------|------|------|------|------------|-------------|--------|-------|------|------|---|
| | | | | - | 18 | 0 | ٥ | 2 | 7 | 3 | 8 | 7 | ~ | 4 | 0 | 7 | m | 7 | - | <u> </u> | 0 | 0 | 0 | 0 | 0 | 0 | m | 0 | 0 | | ~ | - | П |
| | | SOL ID AB | ORGANS | | is a | MEG | ಜ | ಶ | TRACE | TRACE | 35 | | | TRACE | NEG | TRACE | TRACE | | | | NEG | SEG. | MEG | NEG | | | TRACE | NEG | NEG | TRACE | | | |
| | | - | | | 77 | 2 | 2 | 75 | 39 | 24 | 34 | ٥ | 7 | 28 | 97 | 77 | % | 7 | - | | 22 | 9 | 77 | 11 | 10 | 9 | 92 | 22 | 36 | 82 | 7 | 7 | |
| through B-9/2. | | GI TRAC | | | EXT | 9 | EXT | EXT | EXT | 904 | EXT | | | 8 | QO | MOD | 8 | | | | 90 | ıs | 90 H | 15 | | | 8 | H 00 | EXT | 004 | | | |
| ah B | | ~ | | | 20 | 14 | 80 | 97 | 7 | 14 | 41 | 12 | 5 | 8 | 11 | 18 | 17 | 2 | - | | 9 | 2 | 9 | 9 | 1 | 0 | 7 | 20 | 14 | 14 | 7 | 7 | |
| -1 thro | | TRACHEA | | | 90 | 22 | 15 | EXT | 2 | SL | SF | | | ᅜ | ร | SL | ន | | | | SL | 8 | S | JS. | | | SL | HOD | SL | SL | | | |
| < | | | × | | 18 | 22 | ຂ | 87 | ຂ | 16 | 77 | 12 | 2 | 8 | 22 | 22 | 22 | 0 | 0 | | 80 | ^ | 18 | 11 | 9 | 7 | 16 | 7 | 18 | 71 | 9 | 3 | |
| uration | | PHARYNX/ | LARYNX | | 90 | 8 | 8 | EXT | 2 | SL | EXT | | | € | H 00 | COM | <u>8</u> | | | | SL | ž | 90H | SL | | | SL | SL | MOD | SĽ | | | |
| onfig | | | | - - | 30 | 26 | જ | 25 | 52 | 56 | 53 | 7 | 3 | 8 | 87 | 25 | 25 | 4 | 7 | | 21 | 21 | 12 | 17 | 0 | 0 | 8 7 | 77 | 30 | 17 | ٥ | 5 | |
| m enclosure, configurations | | LUNGS | | | EXT | EXT | EXT | EXT | EXT | EXT | EXT | | | EXT | EXT | EXT | EXT | | | | St | 3 | SF | SF | | | EXT | EXT | MOD | EXT | | | |
| | | LW/BW, | × | _ | 1.44 | 2.1 | 1.91 | 1.73 | 1.61 | 1.57 | 1.68 | 0.17 | 0.07 | 1.76 | 1.60 | 1.51 | 1.62 | 0.13 | 0.07 | | 0.9 | 1.12 | 1.01 | 1.04 | 0.07 | 0.04 | 1.41 | 1.46 | 1.15 | 1.34 | 0.17 | 0.10 | |
| × 2.44 ×2.44- | | CHARGE | WT., 9 | 2000 | 757 | | | | | | Mean | S | SE | 757 | | | Mean | ន | 33 | | 2-227 | - | | Mean | os | SE | 227-454 | | | Mean | ន | SE | |
| e 3.05 | MOER | EIP | kPa^2*ms | | 77538 | | | | | | | | | 27443 | | | | | | | 77607 | | | | | | 77269 | | | | | | |
| 10 | INSTRUMENT CYL! | Psm, | kPa | _ | 200.2 | | | | | | | | | 148.3 | | | | | | | 164.8 | | | | | | 246.3 | | | | | | |
| FY 90 pathology summary fo | ISH | Ртах, | kPa | | 1470.4 | | | | | | | | | 930.4 | | | | | | | 592.4 | | | | | | 872.3 | | | | | | |
| | | ANIMAL | | | 76 | 26 | 5 | 501 | 36 | 109 | | | | 125 | 128 | 131 | | | | | 112 | 115 | 119 | | | | 117** | 121 | 123 | | | | |
| Table 3 (continued). | | COMFIG. | | | 0-1 | 6-Y | A-9/2 | A-9/2 | A-9/3 | A-9/3 | | | | 8-9/2 | o• s | 6- 18 | | | | | A-10 | A-10 | A-10/2 | | | | A-10 | A-10/2 | A-10/2 | | | | |
| Table 3 | | RANGE, | ft/m | | 10 0/1 | | | | | | | | | 3/0.91 | | **** | | | | | 3-9.6/ | .91-2.93 | | | | | 3-9.6/ | .91-2.93 | | | | | |

| | | ADJ. SEV. | INDEX | 4.07 | 3.8 | 2.47 | 2.34 | 3.08 | 89.01 | 4.44 | 3.15 | 1.28 | | | 14.85 | 0.00 | 0.24 | 0.00 | 0.08 | 0.14 | 90.0 | | 0.56 | 0.08 | 0.20 | 0.28 | 0.25 | 0.14 | 85 | 0.08 | 0.15 | 0.21 | 0.16 | 0.09 | | | 3 5 | ;; | 2 0 | 14 | |
|---|------------------|-----------|----------|----------|------|---------|----------|------|----------|-----------------|------|------|-------------|----------|---------|--------|-------------|------|----------|------|------|---|--------|-------|--------|-------|------|------|-------|------|--------------|----------|------|------|----------|------------|--------|-------|--------------|----------|--------------|
| Н | | ٧ | | | 2 | 3 | 2 | 3 | 3 | 3 | 2 | _ | | \dashv | 88 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | _ | 0 | 0 | 0 | 0 | | | 9 0 | 0 0 | | + | + | \downarrow |
| | | SOLID AB. | ORGANS | H | | TRACE | 25 | _ | L | - | | | | + | 8 | ╁ | NEG | | \vdash | | | | | NEG | Н | NEG | | | NFG | ÷ | | \vdash | | | + | + | אני כי | ╁ | + | | 1 |
| Н | | S | | <u> </u> | _ | 1 92 | _ | - | 39 1 | - | 80 | 2 | | 4 | 30 | ╀ | 0 | - | 0 | 0 | 0 | Н | 0 | 7 | | 7 | 7 | ~ | 7. | 1 | | L | - | 7 | - | 1 C | + | + | \downarrow | 10 | + |
| 9/2. | | I TRACT | | EXT | | 8 | - | | \vdash | - | | | | _ | EXT | NEG | NEG | NEG | NEG | | | | NEG | TRACE | 1S | TRACE | | | + | + | 15 | - | | | + | + | 2 5 | ┨. | LEACE | | - |
| 9 B- | | 19 | - | 50 | 40 | 50 | 22 | 38 | ~ | 22 | 12 | 5 | $ \cdot $ | - | 25 | | 4 | 0 | - | 7 | 1 | | Н | 0 | 3 | 2 | 7 | = | v | 0 | 0 | ~ | ~ | 2 | \dashv | + | , < | ╁ | + | , ~ | ╬ |
| A -1 through B-9/2. | | TRACHEA | | 90 | EXT | 90 | 9 | EXT | ıs | 00 1 | | | | | EXT | NEG | TRACE | NEG | TRACE | | | | TRACE | NEG | TRACE* | TRACE | | | 7 | KEG | NEG | TRACE | | | | TOACE | נו | TDACE | TACE C | - | |
| 1 | *** | | | 18 | 22 | 9 | 2 | 20 | 9 | 2 | ~ | - | | - | 87 | | +- | 0 | 7 | m | 7 | | 2 | 0 | . 0 | - | 2 | - | 0 | 5 | M | ~ | 2 | - | , | 2 | > ~ | ┪ | • 0 | - | + |
| urations | | PHARYNX/ | LARYNX | M00 | 90 | JS. | 90 | 00M | 2 | 8 | | | | | EXT | NEG | 25 | KEG | TRACE | | | | TRACE | NEG | NEG* | TRACE | | | NEG | ช | TRACE | TRACE | | | 100 | S. C. | TPACE | TOACE | 1 | | |
| onfig | | | | 9 | 33 | 28 | 25 | 09 | 75 | 25 | ٥ | 4 | | 1 | 25 | 0 | 3 | 0 | - | 7 | | | 7 | 0 | 0 | - | 7 | - | 6 | 0 | 0 | 0 | 0 | 0 | • | 2 5 | 3,2 | 3 5 | 2 2 | . « | , |
| 2.44 x2.44- m enclosure, configurations | | SUNCI | | EXT | EXT | EXI | EXT | EXT | EXT | EXT | | | | | EXT | NEG | BLEB | NEG | TRACE | | | | TRACE | NEG | NEG | TRACE | | | NF.G | NEG. | NEG | NEG | | | | שני | 5 5 | 2 2 | 76 | | |
| 74- m enc | | LW/BW, | * | 1.62 | 1.40 | 86. | 1.06 | 1.42 | 1.33 | 1.45 | 0.27 | 0.11 | | | 1.59 | 86 0 | 0.85 | 0.81 | 0.88 | 0.09 | 0.05 | | 0.85 | 1.13 | 0.82 | 0.93 | 0.17 | 0.10 | 0.87 | 76.0 | 1.00 | 0.94 | 0.07 | 0.04 | 1 | 1.80 | 7. | | 31.0 | 200 | ; |
| x 2.44 x2. | | CHARGE | Z., 9 | 206 | | | | | AIR | Mean | ន | SE | | 202 | HEMOP. | 114 | | | Mean | ន | SE | | 114 | | | Mean | SD | SE | 227 | | | Mean | S | SE | | 777 | | Koon | S | 3 3 | ; |
| s 3.05 | KOER | EIP | kPa⁻2*ms | 108401 | | | | | | | | | | | NO DATA | 4825 | | | | | | | 18532 | | | | | | 11003 | | | | | | ,,,,,, | 20132 | | † | | | † |
| summary for | INSTRUMENT CYLIN | Psm, | | 258.7 | | | | | | | | | | | NO DATA | 71.9 | | | | | | | 151.2 | | | | | | 107.1 | | | | | | | | | | | - | |
| 90 pathology summary fo | INSTR | Рмах, | kPa | 1373.0 | | | | | | | | | | | NO DATA | 225.4 | | | | | | | 573.7 | | | | | | 9 202 | | | | | | | >: 3 | | | | | |
| F | | ANIMAL | | - | 21 | 12 | 20 | 31 | 32** | | | | | | 82** | 78 | 35 | 59 | | | | | 45 | 95 | 79 | | | | 32 | 37 | 88 | | | | ٩ | 9 8 | 2.7 | 5 | | | |
| Table 3 (continued). | | CONFIG. | | ۲-۷ | A-2 | 1-4 | 4-2 | A-3 | | | | | | | A-8/2 | 7-4 | \$ 4 | 7-Y | | | | | A-5 | 9-Y | 2-Y | | | | 7-7 | 7·¥ | 1.V | | | | | C-A | 7.4 | | | | |
| Table 3 | | RANGE, | ft/m | 3/0.91 | | | | | | | | | | | 3/0.91 | 4/1.22 | | | | | | | 4/1.22 | | | | | | 77 77 | | | | | | 20 17 | 4/1.62 | | | | | |

| | ۳. | INDEX | ~ | - | 9 | _ | 0 | 0 | 2 | M | 7 | 2 | - | .~ | 9 | 7 | ø | 0 | 80 | M | 7 | 4 | 0 | ٥ | 0 | <u></u> | | 80 | | _ | 7 | 2 | 0 | 7 | 7 | 1 |
|-----------------|-----------|----------|----------|-------|------|-------|------|------|------------|------|-------|-------|------|------|-------------|-------|------|---------|------|------|------------|-------------|-------|-----------------|------|---------|-------|------|----------|---------|----------|-------|------|-------|------|------|
| | ADJ. SEV | 7 | 1.12 | 2.2 | 0.8 | 1.41 | 0.70 | 07.0 | 1.3 | 1.53 | Ξ | 1.32 | 0.21 | 0.12 | 2.3 | 1.47 | 1.2 | 1.7 | 0.58 | 0.33 | 5.74 | 2.44 | 2.9 | 3.69 | 2.7 | 1.03 | | 0.08 | 0.11 | 0.2 | 0.07 | 0.05 | 0.19 | 0.12 | 0.07 | 0.03 |
| | | S | 0 | 3 | 0 | - | 7 | - | 7 | 0 | 7 | ~ | ~ | - | ~ | 7 | 0 | 7 | 7 | - | 21 | 0 | ~ | 8 | 11 | 7 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | SOL ID AB | | NEG | TRACE | NEG | TRACE | | | TRACE | NEG | TRACE | TRACE | | | TRACE | TRACE | NEG | TRACE | | | MOD | NEG | TRACE | ટા | | | | NEG | MEG | MEG | NEG | REG | NEG | NEG | | |
| | L | | 82 | % | 9 | 21 | 2 | 0 | 22 | 2 | 22 | 2 | 2 | 2 | 92 | 56 | 57 | 23 | - | - | 82 | 92 | 88 | 22 | - | - | , | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ;;; | GI TRACT | | Q | 9 | ช | 8 | | | 8 | SL | 909 | 8 | | | 9 | HO0 | 904 | 9 | | | 9 | H 00 | 9 | 8 | | | | NEG. | NEG. | NEG | NEG | NEG. | MEG | NEG | | |
| | | | ~ | 9 | 9 | 9 | - | 0 | 9 | 15 | 9 | 80 | ~ | 7 | 20 | 7 | 9 | = | œ | 2 | 12 | 50 | 9 | 2 | 7 | 7 | 1 | 9 | ٥ | 9 | 0 | 0 | 2 | ~ | ~ | - |
| | TRACHEA | | SI | S | SL | 25 | | | SL | SL | SL | 25 | | | ¥ 00 | SL | SL | 15 | | | S | HOD | St | 75 | | | | SEG | 75 | SI | NEG | NEG | 15 | TRACE | | |
| 933 | | × | 4 | S | 54 | = | = | 7 | 7 | 7 | 7 | 7 | 0 | 0 | ٥ | 2 | 8 | 7 | 7 | 1 | 2 | 2 | 22 | 20 | 2 | - | , | 5 | 0 | 9 | 4 | M | 9 | ~ | m | - |
| | PHARYNX/ | LARYNX | TRACE | 75 | EXT | SL | | | SL | SL | SL | S | | | รั | ร | SL | SL | | | 8 | 9 | HOO | 90 1 | | | | 2 | EG EG | ะ | TRACE | TRACE | SL | TRACE | | |
| | | | 57 | 18 | 12 | 18 | o | 3 | 21 | 39 | 12 | 77 | 72 | 8 | 2 | ಜ | 21 | 36 | 8 | 10 | ಜ | 52 | 36 | 39 | 11 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | LUNGS | | ₩00 | SL | SL | าร | | | SL | EXT | SL | MOD | | | EXT | W00 | SL | HOD/EXT | | | 400 | EXT | M-EXT | EXT | | | | SH C | NEG | NEG(PN) | NEG(CYT) | NEG | NEG | NEG | | |
| | LW/BW, | >< | 0.85 | 0.00 | 0.97 | 0.91 | 90.0 | 0.03 | 0.00 | 1.30 | 0.87 | 1.02 | 0.24 | 0.14 | 1.25 | 0.95 | 0.88 | 1.03 | 07.0 | 0.11 | 9.0 | 1.73 | 1.42 | 1.37 | 0.39 | 0.22 | | 2 | 8. | 1.09 | 0.00 | 0.87 | 1.00 | 0.97 | 0.08 | 0.03 |
| | CHARGE | VT., 9 | 424 | | | Mean | S | SE | 424 | | | Mean | ន | SE | 202 | | | Mean | S | SE | 204 | | | Mean | S | SE | | 3 | | | | | | Mean | S | SE |
| INDER | EIP | kPa-2*ms | 39919 | | | | | | 62543 | | | | | | 96854 | | | | | | 137446 | | | | | | , 202 | 057) | | | | | | | | |
| NSTRUMENT CYLI | Psm, | kPa | 193.4 | | •• | | | • | 202.6 | | | | | | 271.8 | | | | | | 285.5 | | | | | | 0 | ٧٠/ | | | | | | | | |
| INSTI | Pmax, | kPa | 8.989 | | | | | | 886.2 | | | | | | 9.9% | | | | | | 1241.4 | | | | | | , ,,, | 0.00 | | | | | | | | |
| | ANIMAL | | 38 | 39 | 71 | | | | 5100 | 9 | 22 | | | | 8 | ., | 76 | | | | 54 | 62 | 22 | | | | | • | 72 | 25 | 99 | 77 | 76 | | | |
| INSTRUMENT CYL. | CONFIG. | | 7.Y | 7-Y | 77 | | | | A-5 | 9-Y | Λ-7 | | | | yv | ¥-¥ | A-7 | | | | A-5 | 9-V | A-7 | | | | _[| | 4-5 | 9-Y | 7-4 | A-5 | A-5 | | | |
| | RANGE, | ft/m | 4/1.22 | | | | | | 4/1.22 | | | | | | 4/1.22 | | | | | | 4/1.22 | | | | | | | 3./. | | | | | | | | |

| П | | | J | | | | | | | Γ | ı | | | i | | | | | | | | | , , | Ì | | | - | | | _ | | _ | |
|---|------------------|-----------|----------|-----|----------|-------|-------|-------|-------|-------|-----|------|----------|----------|-------|-------|------|------|-------|--------|------|------|-----|----------|----------------|------|-------|-------|------|------|------|------|--|
| | | ADJ. SEV. | INDEX | | 0.28 | 0.25 | 0.30 | 0.31 | 0.50 | 0.32 | 0.1 | 0.05 | | 7.24 | 0.69 | 0.59 | 6.0 | 0.95 | 0.47 | 1.82 | 5.66 | 1.09 | | 3.50 | . . | 2.73 | 1.43 | 5.09 | 4.34 | 2.68 | 1.08 | 0.44 | |
| | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | M | 0 | 0 | 0 | 0 | 1 | - | - | | 72 | 7 | 0 | 4 | 0 | 15 | 9 | 9 | m | |
| | | SOL 10 AB | ORGANS | | NEG | NEG | NEG | NEG | NEG | NEG | | | NEG. | NEG | TRACE | NEG | NEG | NEG | NEG | TRACE | | | | ಶ | TRACE | NEG | TRACE | NEG | SL | 15 | | | |
| П | | | | | 7 | 3 | m | 3 | 4 | ~ | - | 0 | | % | 6 | 9 | 18 | 9 | 6 | 1,4 | 7 | 3 | | 82 | 54 | 56 | 20 | 54 | % | 56 | S | 2 | |
| -9/2. | | GI TRACT | | | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | | | SE SE | Ş | SL | SL | าร | SF | SL | JS. | | | | 8 | H00 | COM | 9 | 00H | FXT | 904 | | | |
| gh B | | | | | 7 | 9 | 2 | 5 | 0 | 7 | M | - | | 7 | 7 | 7 | 7 | 2 | 2 | 9 | 1 | - | | 8 | 20 | 18 | ٥ | 28 | 16 | 18 | ۰ | 3 | |
| -1 through B-9/2. | | TRACHEA | | | SL | 75 | TRACE | 1S | NEG | TRACE | | | TRACE | SL | SL | TRACE | St | Si | SL | รเ | | | | ಡ | 100 | SL | SL | MOD | SL | 1S | | | |
| < | | | ¥ | | 7 | 3 | 9 | 2 | 7 | 7 | - | • | | 7 | 7 | 12 | 9 | 2 | 8 | 15 | 2 | 7 | | ຂ | ထ | 20 | 7 | 22 | 20 | 16 | ~ | 3 | |
| urations | | PHARYNX/ | LARYNX | | TRACE | TRACE | SL | JS. | TRACE | TRACE | | | TRACE | ಜ | S | SL | S | 90 | SL | SF | | | | 8 | SL | 001 | SL | MO0 | 00H | 1S | | | |
| nfig | | | | | 0 | 0 | 0 | 2 | 3 | 2 | ~ | 1 | | 2 | 12 | 15 | 14 | 12 | 7 | 15 | 7 | 2 | | 7, | 30 | 25 | 30 | 36 | 30 | 37 | ٥ | 7 | |
| 2.44 x2.44- m enclosure, configurations | | CONGS | | | NEG | NEG | NEG | SL | TRACE | TRACE | | | St | SL | SL | SL | 75 | รเ | TRACE | SL | | | | EXT | MOD | EXT | MOD | M-EXT | MOD | EXT | | | |
| .44- m enc | | LW/BW, | × | | 0.89 | 1.03 | 0.97 | 08.0 | 26.0 | 0.93 | 0.0 | 0.04 | S PRE | 0.78 | 0.92 | 1.19 | 0.99 | 1.01 | 0.09 | 0.98 | 0.13 | 0.05 | | 1.74 | 1.06 | 1.74 | 0.98 | 1.13 | 1.01 | 1.28 | 0.36 | 0.15 | |
| x 2.44 x2 | | CHARGE | WT., 9 | 100 | 227 | | | | | Mean | S | SE | 227 | 454AIR | 454 | | | | | . Mean | SO | SE | | 206 | | | | | | Mean | S | SE | |
| r the 3.05 | NDER | EIP | kPa^2*ms | | 17154 | | | | | | | | 15804 | 50372 | | | | | | | | | | 133852 | | | | | | | | | |
| 위 | INSTRUMENT CYLLI | | kPa | | 140.3 | | | | | | | | 143.7 | 228.9 | | | | | | | | | | 344.1 | | | | | | | | | |
| FY 90 pathology summary | INSTR | Ртах, | kPa | | 423.3 | | | | | | | | 550.2 | 9.002 | | | | | | | | | | 1356.7 | | | | | | | | | |
| ١. | | ANIMAL | | | | 27 | - 20 | 69 | 27 | | | | 7,900 | 10** | 30 | 19 | - 22 | 20 | 52 | | | | | 13 | 33 | 29 | 75 | 53 | 55 | | | | |
| 3 (continued) | | CONFIG. | | | 1.4 | A-3 | A-6 | 2-4 | A-5 | | | | A-5 | | 4-3 | 9-Y | 7-1 | A-5 | A-5 | | | | | | A-3 | 9-Y | A-7 | A-5 | A-5 | | | | |
| Table 3 | | RANGE, | ft/m | | 4.7/1.43 | | | | | | | | 4.7/1.43 | 4.7/1.43 | | | | | | | | | | 4.7/1.43 | | | | | | | | | |

| Table 3 (| Table 3 (continued). | | FY 90 pathology summary fo | summary fo | r the 3.05 | × 2.44 ×2. | .44- m enc | x 2.44 x2.44- m enclosure, configurations | onfig | uration | Ŀ | A -1 through B-9/2. | 등 | 9/2. | | | | |
|---------------|----------------------|------------|----------------------------|-------------|------------|------------|------------|---|-------|----------|------------|---------------------|------|-------------|-----|-----------|------------|------------|
| • | | | INST | RUMENT CYL. | HOER | 2001 | | | | | • | | | | | | | |
| RANGE, | CONFIG. | ANIMAL | Ртах, | Psm, | EIP | CHARGE | LW/BW, | LUNGS | İ | PHARYNX/ | | TRACHEA | | GI TRACT | | SOL 10 AB | | ADJ. SEV. |
| ft/m | | | kPa . | kРа | kPa⁻2*ms | WT., 9 | × | | | LARYNX | × | | | | | ORGANS | | INDEX |
| | | | | | | | | | | | | | | | | | | |
| 5.6/1.71 | 6-1 | 56 | 624.8 | 159.0 | 36206 | 727 | 1.26 | 1S | 21 | SL | ۰ | 25 | 2 | 15 | ٥ | NEG | 0 | 0.71 |
| | 6-¥ | 86 | | | | | 96.0 | SL | ~ | 25 | 14 | 25 | 9 | TRACE | ~ | NEG | 0 | 87.0 |
| 1 0000 | A-9/2 | 101 | | | | | 6.0 | SL | 12 | SL | 6 | SL | 2 | SL | 8 | NEG | 0 | o. 73 |
| * | A-9/2 | \$ | | | | | 96.0 | SL | 21 | ž | 9 | SL | 12 | 1S | 2 | TRACE | 4 | 1.10 |
| | E/6-V | 107 | | | | | 1.10 | ¥ 00 | 27 | 8 | 2 | S | æ | 8 | 2 | NEG | 0 | 1.47 |
| | A-9/3 | 110 | | | | | 96.0 | TRACE | ~ | SL | 9 | S | _ | 15 | ø | NEG | 0 | 9.0 |
| | | | | | | Mean | 1.04 | ระ | 15 | SL | 2 | SL | _ | S | ٥ | TRACE | - | 0.87 |
| | | | | | | S | 0.12 | | 2 | | ø | | ~ | | ۰ | | ~ | 0.36 |
| | | | | | | SE | 0.05 | | 4 | | ~ | | - | | ~ | | - | 0.15 |
| 26, 27, | 50 | | , 10, | 437.0 | 20,54 | 13, | • | 8 | 7 | 7 | 2 | 5 | • | ē | - | () | • | 0 07 |
| 0.0/1.0 | 8-9/K | 2 8 | 60.0 | 7.40 | 50431 | 404 | 1.03 | 3 2 | \$ 2 | 7 5 | <u>0</u> ∞ | 7 5 | - 00 | 7 7 | 79 | NE C | 0 | 0.65 |
| | 0-0 | 132 | | | | | 0 80 | 5 | 71 | 9 | 18 | 5 | 0 | 5 | 2 | NF. | - | 20 |
| | | | | | | Mean | 1.04 | S | - | SL | 7 | Z S | 80 | ಹ | 5 | NEG | 0 | 0.77 |
| | | | | | | S | 0.15 | | 9 | | 2 | | - | | - | | 0 | 0.11 |
| | | | | | | 딿 | 0.0 | | 3 | | M | | - | | 0 | | 0 | 0.07 |
| | | | | | | | | | | | | | | | T | | | |
| 5.6/1.71 | A-10 | 113 | 616.2 | 227.9 | 55974 | 2-227 | 1.11 | SL | 12 | EXT | 77 | SL | 9 | SL | 7 | NEG | 0 | 96.0 |
| | A-10 | 116 | | | | | 1.23 | EXT | 39 | MOD | 18 | SL | 18 | M 00 | 54 | TRACE | m | 1.80 |
| | A-10/2 | 120 | | | | | 1.31 | M-EXT | 36 | MOD | 50 | 904 | 20 | MOD | 77 | NEG | 0 | 1.76 |
| | | | | | | Mean | 1.22 | MOD | 62 | 90 | 21 | St | 15 | 15 | 18 | TRACE | - | 1.51 |
| | | | | | | S | 0.10 | | 5 | | M | | ∞ | | 9 | | ~ | 0.48 |
| | | | | | | SE | 9.0 | | ٥ | | ~ | | 4 | | ۰ | | _ | 0.28 |
| | | | | | | | | | | | 1 | | | | 1 | | <u> </u> | 1 |
| 5.6/1.71 | A-10 | 118 | 855.8 | 287.6 | 77721 | 227-454 | 1.19 | M-EXT | 2 | 8 | 2 | ร | 2 | 8 | 20 | TRACE | ~ | 1.87 |
| | A-10/2 | 122 | | | | - | 1.22 | 202 | 72 | 8 | <u>م</u> | 8 | 2 | 8 | 2 | SHE | 0 | 1.57 |
| | A-10/2 | 124 | | | | | 97. | 76 | اه | 7 | 0 | 3 | ₹! | 3 | ₹ | פר | ۶. | 9. |
| | | | | | | Mean | 9.10 | 8 | Q S | 25 | ٥, | 8 | ≥ ′ | 3 | 3 | IKACE | - 6 | 3 3 |
| | | | | | | On U | 20.0 | | 2 4 | | - 7 | | 4 - | | • • | | u - | 12.0 |
| | | | | | | , | | | 1 | | | | 1 | | 1 | | + | |
| 6.6/2.01 | 8-A | u | 539.1 | 170.0 | 28426 | 424 | 0.8 | TRACE | 7 | 35 | 7 | SL | ~ | NEG | 0 | MEG | 0 | 97.0 |
| | 8-₩ | 8 8 | | | | | 1.03 | TRACE | 3 | SL | 9 | SL | • | 9 | 2 | MEG | 0 | .8 78.0 |
| | A-8/3 | 86 | | | | | 28. 0 | TRACE | M | SF | 2 | ร | • | SL | 2 | NEG | 0 | 0.57 |
| | A-8/4 | 89 | | | | | 98.0 | SL | 50 | TRACE | M | S | 9 | SL | 14 | NEG | c | 0.76 |
| | A-8/5 | 65 | | | | | 0.98 | SL | 9 | St | 7 | SL | • | SL | 12 | NEG | 0 | 0.73 |
| | | | | | | Mean | 76.0 | SL | 6 | 35 | 9 | SL | 9 | SL | 15 | NEG | 0 | 0.67 |
| | | | | | | S | 0.08 | | œ | | ~ | | 0 | | 80 | | 0 | 0.15 |
| | | | | | | SE | 0.04 | | 7 | | - | | 0 | | ~ | | 0 | 0.07 |
| | | | | | | _ | | | | | | | - | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Table 3 | Table 3 (continued). | ≿ | pathology | 90 pathology summary fo | or the 3.05 | x 2.44 x2 | .44- m en | 2.44 x2.44- m enclosure, configurations | onfig | uration | | -1 through B-9/2. | 년 B | .3/5. | Н | | | |
|----------|----------------------------------|-----------|-----------|-------------------------|-------------|-----------|-----------|---|-------|-----------------|----------|-------------------|----------|----------|-------------|-----------|----------|-----------|
| | | | ISHI | F | NDER | | | | | | T. | | | | | | 1 | |
| RANGE, | CONFIG. | ANIMAL | Pmax, | Psm, | EIP | CHARGE | LW/BW, | LUNGS | | PHARYNX/ | | TRACHEA | | GI TRACT | | SOL TO AB | - | ADJ. SEV. |
| ft/m | | | kPa | ķРа | kPa 2*ms | VT., 9 | × | | | LARYNX | × | | - | | - | ORGANS | | INDEX |
| | | | | | | | | | | | | | | | | | | |
| 6.6/2.01 | A-8/2 | 83 | NO DATA | NO DATA | NO DATA | 206 | 1.14 | 001 | 77 | 00 M | 22 | SL | 15 | 904 | 22 | TRACE | 4 | 1.63 |
| 8.9/2.71 | 6-7 | 96 | 715.0 | 331.2 | 64450 | 454 | 1.01 | M-EXT | 38 | 909 | 8 | ಜ | ~ | 90# | 77 | 901 | 72 | 5.22 |
| | | 8 | | | | | 1.03 | 00H | 30 | S | 80 | SL | 9 | ร | = | EXT | × | 2.83 |
| | A-9/2 | 705 | | | | | 1.19 | 9 | 30 | SL | 14 | 9 | 20 | 9 | 22 | SI | 2 | 2. |
| | Z/6-Y | 202 | | | | | 0.94 | MOD | 33 | SL | 7 | S | 7 | 8 | 2 | 8 | 22 | 4.72 |
| | A-9/3 | 108 | | | | | 8 | H 00 | 33 | 9 | ຂ | ร | ٥ | 8 | 22 | TRACE | 4 | 1.56 |
| | ¥-9/3 | 111 | | | | | 20.0 | 60 | 8 | 8 | 8 | 3 | ∞ | 욯 | ೫ | EXT | 32 | 5.08 |
| | | | | | | Mean | 1.05 | 00 1 | 32 | ร | 2 | SL | 9 | Ş | 2 | 9 | 21 | 3.51 |
| | | | | | | S | 90.0 | | 7 | | 9 | | s | | ~ | | 2 | 1.71 |
| | | | | | | SE | 0.03 | | 1 | | 2 | | 2 | | 2 | | 9 | 0.70 |
| | | | | | | | | | | | | | | | | | | |
| 8.9/2.71 | 8-9/5 | 127 | NO DATA | NO DATA | NO DATA | 454.0 | 1.62 | 1 00 | 33 | #O0 | 18 | St | 18 | St | 18 | TRACE | 7 | 2.61 |
| | 8-9 | 130 | | | | | 1,50 | M-EXT | 28 | SL | 12 | SL | 14 | 9 | | ร | 2 | 2.59 |
| | 6-8 | 133 | | | | | 1.1 | QOM | 23 | 9 | 22 | 25 | 8 | 8 | - | TRACE | 4 | 2.76 |
| | | | | | | Mean | 1.4.1 | MOD MOD | * | 8 | 17 | ร | 12 | 8 | 12 | TRACE | 7 | 2.65 |
| | | | | • | | ន | 0.27 | | 7 | | 2 | | 7 | | - | | - | 0.09 |
| | | | | | | S | 0.15 | | - | | 3 | | - | | - | | 0 | 0.05 |
| | | | | | | | | | | | | | | | | | | |
| 9.8/2.99 | 8-Y | 82 | 791.2 | 341.6 | 57535 | 454 | 1.04 | EXT | 39 | SL | 9 | 8 | 02 | 15 | 18 | 90 | 72 | 3.26 |
| | A-8 | 2 | | | | | 0.97 | M-EXT | 36 | SL | 9 | 15 | 8 | 909 | 20 | OOM | 77 | 2.85 |
| | A-8/3 | 87 | | | | | 1.18 | EXT | 27 | รเ | 16 | MOD | 20 | SL | 10 | NEG | 0 | 1.49 |
| | A-8/4 | 8 | | | | | 96.0 | SL | 22 | 90 | ഇ | SL | 80 | 욡 | 2 | NEG | 0 | 1.30 |
| | A-8/5 | 93 | | | | | 1.26 | MOD | 25 | MOD | 18 | ¥00 | 22 | St | 18 | NEG | 0 | 1.42 |
| | | | | | | Mean | 1.09 | HOD | 32 | SL | 15 | รเ | 9 | 75 | 18 | ร | 9 | 2.07 |
| | | | | | | SO | 0.13 | | 2 | | 2 | | 7 | | 9 | | 5 | 0.92 |
| | | | | | | SE | 90.0 | | 2 | | ~ | | ~ | | 2 | | ٥ | 0.41 |
| | | | | | | | | | | | | | _ | | | | j | |
| 9.8/2.99 | A-8/2 | 84** | 1503.8 | 552.4 | 170248 | 907A1R | 98. | EXT | જ | 25 | 2 | 25 | 8 | 8 | 2 | ន | 5 | 8.54 |
| | 100 | , | | | | | 200 | 017 | • | 757 | 6 | 7 | , | 7 | , | 2 | , | 9 |
| | TOW I WOO | 207 | | | | | 9.0 | 2 1 | ءاد | ב אונים ה | , | בו בו בו | , | 2 2 | , | E S |) | 818 |
| | CONT. NO. | 120 | | | | | | 2 2 | , | | , | ב ב ב | , | 2 5 | , | 2 2 | , | 3 6 |
| | CONTROL | 25.5 | | | | | DISEASE | J C | 9 | 200 | - | 2 | ٥, | 2 0 | > | 2 5 | - | 313 |
| | CONTROL | 1140 | | | | | 0.95 | SEC. | ٠ | EC. | ه ا | 7 | ۰ | 2 |) | SE C |) | |
| | CONTROL | 134C | | | | | 1.05 | MEG | 9 | NEG | 9 | NEG | - | EG | ᅴ | FEG | - | 0.00 |
| | | | | | | Mean | 0.92 | NEG | 0 | SEG. | 0 | TRACE | - | SEC. | 0 | NEG | 0 | 0.05 |
| | | | | | | S | 0.08 | | 0 | | 0 | | ~ | | 0 | | 0 | 0.05 |
| | | | | | | SE | 0.03 | | 0 | | 9 | | - | | 0 | | 0 | 0.05 |
| ** Anim | ** Animal died from blast injury | m blast i | njury | OO - Anima | died from | a drug ov | overdose | | | | 7 | | ٦ | | 7 | | 1 | |

| Table 4. | FY 91 | FY 91 pathology and pressure-time su | and pres | sure-time | summary tor | 100 % OO | X 2.02 X | DUB. 55.2 | ٠ - | 7.1 X | × | E . ##.7 | 2 | | 5 | 25 DE DA | 5 | |
|---------------|--------------|--------------------------------------|----------|-------------------|-------------|----------|----------|---------------|----------|----------|----------|------------------|---|------------|----------|------------|---|-----------|
| */I-0 IIBMIII | 4 | ו ופונפו ור | INSTRE | INSTRIMENT CYLIND | _ 1.994 | | | | - | | - | - | 1 | | - | | | |
| RANGE, | CONFIG. | ANIMAL | Ртах, | Psm, | EIP, | CHARGE | LW/BW, | SOMOT | Г | PHARYNX/ | | TRACHEA | 9 | GI TRACT | | SOLID | 0 | ADJ. SEV. |
| ft/m | | | kPa | kPa | kPa^2*ms | VT., 9 | × | | | LARYNX | × | | | | ≺ | AB. ORGANS | | INDEX |
| | | | | | | 2 2 00 | , , | | | | | | | | | | | |
| 20 1/7 | 1- 2 | 757 | 157 0 | 5 R 7 | 2722 | | < │ | an Erictosure | 2 | NFG | ļ | NEG | - | MFG | - | NEC | c | 8 |
| ***** | | 259 | | | | | 1.03 | NEG | . 0 | MEG | | TRACE | M | MEG | 0 | ¥EG | 0 | 0.05 |
| | c-1/2 | 265 | | | | | 0.98 | TRACE | m | ಶ | 2 | NEG | 0 | NEG | 0 | NEG | 0 | 0.13 |
| | c-1/3 | 27.1 | | | | | 0.87 | NEG | 0 | St | 2 | NEG. | 0 | NEG | 0 | #EG | 0 | 0.08 |
| | C-1/4 | 277 | | | | | 1.03 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.00 |
| | | | | | | Mean | 1.00 | TRACE | 2 | TRACE | 2 | TRACE | 1 | NEG | 0 | NEG | 0 | 0.07 |
| | | | | | | OS | 0.09 | | 2 | | 3 | | Ţ | | 0 | | 0 | 0.05 |
| | | | | | | SE | 0.04 | | - | | - | | _ | | 0 | | 0 | 0.02 |
| | | | | | | | | | | | | | | | | | | |
| 7/2.13 | C-1 | 257 | 119.5 | 41.8 | 2267 | 25 | 1.00 | NEG | 0 | SL | 9 | NEG | 0 | NEG | 0 | NEG | 0 | 0.10 |
| | C-1 | 260 | | | | | 96.0 | NEG | 0 | NEG | 0 | TRACE | 2 | NEG | 0 | NEG | 0 | 0.05 |
| | C-1/5 | 267 | | | | | 0.92 | NEG | 0 | TRACE | 2 | NEG | 0 | MEG | 0 | NEG | 0 | 0.05 |
| | C-1/3 | 273 | | | | | 1.02 | 18 | 5 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.16 |
| | C-1/4 | 622 | | | | | 1.06 | DEN | 0 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.00 |
| | | | | | | Mean | 0.99 | TRACE | 2 | TRACE | 2 | TRACE | | WEG | 0 | NEG | 0 | 0.07 |
| | | | | | | SD | 0.05 | | 7 | | 3 | | - | | 0 | | 0 | 90.0 |
| | | | | | | SE | 0.02 | | 7 | | - | | | | 0 | | 0 | 0.03 |
| | | | | | | | | | | | | | | | | | | |
| 8/2.44 | C-1 | 258 | 197.5 | 75.3 | 4146 | 57 | 96.0 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.00 |
| | C-1 | 261 | | | | | 0.95 | SL | 12 | NEG | 0 | NEG | 0 | MEG | 0 | NEG | 0 | 0.19 |
| | c-1/2 | 266 | | | | | 0.99 | NEG | 0 | SL | 9 | NEG | 0 | NEG | 0 | NEG | 0 | 0.10 |
| | C-1/3 | 272 | | | | | 1.11 | NEG | 0 | NEG | 0 | NEG | 0 | NEG. | 0 | NEG | 0 | 0.00 |
| | C-1/4 | 278 | | | | | 1.04 | NEG | 0 | NEG | - | NEG | | NEG | 0 | NEG | 0 | 0.00 |
| | | | | | | Mean | 1.01 | TRACE | ~ | TRACE | - | NEG | 0 | EG. | 0 | NEG | 0 | 9.00 |
| | | | | | | S | 0.07 | | 2 | | 2 | | 0 | | 0 | | 0 | 0.0 |
| | | | | | | SE | 0.03 | | ~ | | - | | | | - | | 0 | 0.0 |
| | | | | | | | | | 1 | | 1 | \dashv | + | | \dashv | | | |
| 4/1.22 | <u>-1</u> | 250 | 267.9 | 80.0 | 7031 | 113 | 1.02 | SEG. | 0 | ઝ | 9 | NEG E | 0 | TRACE | ~ | NEG | 0 | 0.16 |
| | ن | 253 | | | | | 1.19 | S | 2 | SEG. | 0 | - | 0 | SEC. | 0 | NEG | 0 | 0.19 |
| | c-1/2 | 292 | | | | | 0.89 | NEG. | 0 | NEG | 0 | 2 2 2 3 | 0 | EC. | 0 | NEG | 0 | 8.0 |
| | C-1/3 | 892 | | | | | 0.90 | SI | 2 | TRACE | M | ટ | ٥ | SEG SEG | 0 | MEG | 0 | 0.29 |
| | C-1/4 | 274 | | | | | 1.15 | NEG | 0 | SI | 7 | NEG | | NEG | 0 | NEG | 0 | 0.12 |
| | | | | | | Mean | 1.03 | TRACE | M | TRACE | M | TRACE | 7 | TRACE | _ | ¥EG | 0 | 0.15 |
| | | | | | | S | 0.14 | | ~ | | m | - | 7 | | _ | | 0 | 0.11 |
| | | | | | | SE | 9.06 | | ~ | | 寸 | 1 | 7 | 1 | | | 9 | 9.02 |

| for configurations | | | ADJ.SEV. | INDEX | | 91 0 | 22 | 2 2 | 0 13 | 90 | 0.16 | 0.10 | 0.0 | | 0.22 | 0.16 | 0.0 | 0.23 | 0.05 | 0.15 | 90.0 | 0.04 | | 0.92 | 1.10 | 0.82 | 1.28 | 0.82 | %. | 0.20 | 0.09 | | 1.12 | 0.89 | 0.81 | 0.77 | 8.0 | 0.92 | 0.14 | 9.0 |
|----------------------------|---------------------------|-------------------|----------|----------|---|---------|--------|------------------|-------|-------|-------|----------|------|-------|--------|-------|--------|-------|-------|----------|------|------|---|--------|------|--------|-------|-------|------|------|------|---|----------|-----------------|-------|--------|-------|-------|------|------|
| onfigu | - | | 7 | | - | - |) c | | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | _ | 0 | | _ | | | 2 | |
| for c | 1 | | SOL 10 | ORGANS | ŀ | + | + | | | | | | | | | | | | _ | _ | | | H | | | | | | | | | | E | | | | w | 3 | | |
| | | | | AB. OR | | 757 | E L | 2 42 | NF. | E S | S#C | | | i | NEG | MEG | NEG | NEG | MEG | NEG | | | į | MEG | MEG | MEG | MEG | NEG | NEG | | | | TRACE | NEG | MEG | NEG | TRACE | TRACE | | |
| enclosures | | | _ | | | c | 0 | 0 | 9 | 0 | 6 | 0 | 0 | | 0 | 0 | 0 | 3 | 0 | 1 | - | - | | 2 | 7 | 2 | 2 | 7 | 10 | 0 | 7 | | 2 | 22 | 16 | 8 | 22 | 15 | 80 | 7 |
| € | | | TRACT | | | NEG | 2 1 | 207 | 2 2 | FEG | 2 | | | | NEG | NEG | NEG | TRACE | NEG | TRACE | | | | JS. | SL | SL | 윤 | SL | SL | | | | SL | MO0 | SL | SL | 904 | SL | | |
| 2.44 | - | | 19 | | - | _ | - ~ | 1 | 10 | 0 | m | 2 | - | | 3 | 9 | 2 | 0 | 0 | 3 1 | 100 | - | | 7 | 12 | 6 | 9 | 7 | 8 | 2 | - | | 18 | 1, | 7 | 9 | 7 | 10 | 2 | 2 |
| 1.52 x | | | TRACHEA | | - | ū | TDACE | 1 2 2 2 | F. | NEG T | TRACE | | | | TRACE | St | , , | NEG | NEG | TRACE | | | H | ., | اير. | ; ; | SL | | ٠, | _ | | | יי | | |). | SL | יי | | _ |
| × | - | | TRA | | - | | + | + | 2 | ╀ | ╀╌ | \vdash | | | Н | _ | 0 | | _ | | M | | | _ | 9 | | | | L | _ | | | 8 | _ | _ | 7 | | 3 2 | | |
| 3.05 | \dashv | | YNX/ | LARYNX | | + | ┿ | \dagger | + | + | ╀╌ | - | | | H | - | | | - | H | - | 1 | L | - | | 9 | | 8 | 9 | - | - | | | | | | | Н | • | - |
| 4 -and | | | PHARYNX/ | | | TDACE | وَ | รี่ | 4 0 | MEG | TRACE | _ | | | SL | NEG | NEG | SL | TRACE | TRACE | | | L | L | | | | | S | | | | _ | | _ | | SL | | | |
| × 2.44 | 4 | | LUNGS | | | - | > < | + | | + | ╀╴ | ├- | - | _ | _ | M | 0 | 7 | 0 | <u> </u> | 7 | - | | 21 | 27 | 18 | 19 | 14 | 19 | 2 | 7 | Н | 30 | 9 | 16 | 54 | 1, | 18 | ٥ | 3 |
| 3.05 | | | 3 | | | 250 | 2 0 | TOACC | TRACE | NEG | TRACE | | | | TRACE | TRACE | NEG | TRACE | NEG | TRACE | | | | ટ | 8 | SL | ร | รเ | รเ | | | | ₹ | รเ | SF | MOD | SL | าร | | |
| for the 4.88 x | | | LW/BW, | × | Ī | 78 0 | 88 | 85 | 88 | 1.04 | 0.93 | 90.0 | 0.04 | | 1.03 | 1.05 | 0.95 | 0.94 | 1.05 | 1.00 | 0.05 | 0.02 | | 1.04 | 1.20 | 1.18 | 0.97 | 1.01 | 1.08 | 0.10 | 0.05 | | 1.11 | 1.05 | 1.03 | 0.95 | 0.84 | 1.00 | 0.10 | 0.05 |
| | rols. | | CHARGE | WT., 9 | | 71,1 | 2 | | | | Mean | S | SE | | 113 | | | | | Mean | S | SE | | 757 | | | | | Mean | S | SE | | 424 | | | | | Mean | S | SE |
| sure-time summary | mbined controls | NOER | EIP, | kPa⁻2*ms | | 707.7 | • | | | | | | | | 9110 | | | | | | | | | 11164 | | | | | | | | | 30131 | | | | | | | 7 |
| FY 91 pathology and pressu | orientation tests and com | INSTRUMENT CYLIND | Psm, | kPa | | 21.0 | ? | | | | | | | | 105.2 | | | | | | | | | 123.3 | | | | | | | | | 159.2 | | | | | | | |
| patholog | tation te | INSTR | Ртах, | kPa | | 205 2 | 3 | | | | | | | | 331.8 | | | | | | | | | 424.1 | | | | | | | | | 549.2 | | | | | | | |
| 1 1 | orien | | ANIMAL | | | 25.4 | 2 1% | 170 | 5 2 | 276 | | | | | 252 | 522 | 263 | 269 | 275 | | | | | 135 | 145 | 154 | 163 | 173 | | | | | 136 | 146 | 155 | 164 | 174 | | | |
| Table 4(continued). | igh D-1/4 | | CONFIG. | | | | | - 5 | 2-1/4 | 2/1-2 | | | | | C-1 | C-1 | C-1/2 | c-1/3 | C-1/4 | | | | | ن- | C-1 | c-1/2 | c-1/3 | C-1/4 | | | | | C-1 | ن -1 | C-1/2 | c-1/3 | C-1/4 | | | |
| Table 4(c | C-1 through D-1/4 | | RANGE, | ft/m | | 71.5 42 | //2:13 | | | | | | | | 8/2.44 | | | | | | Ω | | | 4/1.22 | | | | | | | | | 7/2.13 | | | | | | | |

| gurations | | ADJ. SEV. | INDEX | | 76 1 | 93.1 | 1.18 | o.3 | 0.71 | 1.48 | 1.08 | 0.33 | 0.15 | | 2.52 | 2.46 | 1.86 | 3.74 | 1.65 | 2.45 | 0.82 | 0.36 | 1.52 | 1.21 | 1.09 | 2.53 | 1.17 | 1.50 | 0.60 | 0.27 | | 2.31 | 11.53 | 3.42 | 2.70 | 5.49 | 5.09 | - |
|-------------------------------|-------------------|-----------|------------|---------|---------|--------|------|-------|-------|-----------------|-------|------|------|---|-----------------|------------|-----------|-------|-------|-------|------|------|--------|------|----------|-------------|-------|-------|------|------|---|----------|----------|-------|----------|-------|------|---|
| confi | | | | | | - 1 | ^ | 0 | 0 | 3 | 3 | ~ | - | | 7 | 2 | 0 | ٥ | 7 | 7 | ~ | - | 0 | 0 | 7 | 6 | 0 | 3 | 7 | ~ | | 2 | 3 | ~ | 0 | 28 | = | |
| enclosures for configurations | | SOL 10 | AB. ORGANS | | 5 | 3 | SE | NEG | NEG | TRACE | TRACE | | | | TRACE | รเ | NEG | SL | TRACE | TRACE | | | NEG | NEG | TRACE | SL | NEG | TRACE | | | | ช | TRACE | าร | ช | MOD | SI | |
| enclo | | | | | 7 | 5 8 | ₹ | 9 | 10 | 22 | 191 | 8 | 7 | | 97 | 77 | 28 | 39 | 82 | 82 | 9 | 3 | 77 | 77 | 18 | 77 | 24 | 23 | 3 | - | | 2 | S | ន | % | 97 | 30 | |
| 2.44 - M | | GI TRACT | | | 8 | 3 | 8 | SF | SL | 9 | S | | | | 001 | 100 | 90 | EXT | 901 | EXT | | | 9 | 9 | SL | H 00 | 00H, | 90 | | | | EX | EX | EX | 8 | 90 | EXT | |
| | | L | | | • | - : | 7 | 0 | 12 | 15 | 10 | ~ | 2 | | 07 | 7 | 15 | ^ | 2 | 71 | 15 | 7 | 18 | 7 | ٥ | 80 | \$ | 6 | 2 | ~ | | 2 | 3 | 2 | 2 | 22 | 92 | |
| x 1.52 x | | TRACHEA | | | ē | 4 | 3 | ಶ | ร | St | 75 | | | | EXT | SI | าร | 75 | ઢ | ร | | | SI | SL | જ | 715 | ะ | SI | | | | 8 | EX | EX | જ | 90 | 8 | |
| 3.05 | _ | , | × | | 1 | 2 | | 12 | 9 | 16 | 6 | 7 | 7 | | 2 | 77 | 9 | 77 | 16 | 23 | 2 | 6 | æ | 7 | 7 | 10 | 14 | 6 | ~ | - | | ∞ | 2 | ∞ | 2 | 54 | 18 | |
| -and | | PHARYNX/ | LARYNX | | \perp | 1 | 4 | _ | ร | | 15 | | | | | | _ | EXT | | EXT | | | | Ц | 75 | SI | _ | St | | | - | 8 | \dashv | | _ | | 9 | |
| × 2.44 | _ | Si | | | 7 | * | 2 | ଛ | 12 | 30 | 21 | 7 | 2 | | 52 | 39 | 87 | 7,7 | 27 | 75 | 2 | 7 | 38 | ಜ | 22 | 33 | 22 | 8 | 9 | m | | X | 77 | 8 | 8 | 22 | 35 | |
| × 3.05 × | | SONOT | | | 3 | 3 | S | ઝ | ร | 00 H | St | | | | EXT | EXT | EXT | EXT | 90 | EXT | | | MOD | 90 | 9 | H 00 | 9 | 00M | | | | € | EXI | EX | EX | MOD | 90 | |
| the 4.88 | | LW/BW. | * | | 9 | 6.0 | 0.92 | 1.08 | 0.94 | 0.95 | 6.0 | 90.0 | 0.03 | | 1.54 | 1.44 | 1.40 | 1.11 | 1.01 | 1.30 | 0.23 | 0.10 | 1.13 | 0.95 | 0.95 | 0.87 | 0.91 | 96.0 | 0.10 | 0.04 | | 1.14 | 1.55 | 1.26 | 96.0 | 1.04 | 1.19 | |
| summary for | | CHARGE | VT., 9 | 0.00000 | /6/ | **** | | | | | Mean | S | SE | | 206 | | | | | Mean | S | SE | 206 | | | | | Mean | SO | SE | | 204 | | | | | Mean | |
| re-time | | EIP. | kPa⁻2*ms | | 20700 | 37/67 | | | | | | | | | 31580 | | | | | | | | 54001 | | | | | | | | | 85195 | | | | | | |
| FY 91 pathology and pressu | TASTRUMENT CYLIND | Psm. | | | 7 2/2 | 243.0 | | | | | | | | | 182.4 | | | | | | | | 197.6 | | | | | | | | | 358.6 | | | | | | |
| FY 91 pathology and pressu | INSTRU | Ртах. | КРа | | , 020 | 47.40 | | | | | | | | | 891.4 | | | | | | | | 603.8 | | | | | | | | | 915.7 | | | | | | |
| 1 | 0 1611 | ANIMAL | | | | /61 | 147 | 156 | 165 | 175 | | | | | £ | 148 | 157 | 38 | 176 | | | | 139 | 149 | 158 | 167 | 177 | | | | | 140 | 150** | 159 | 3 | 178 | | |
| Table 4(continued). | | CONFIG. | | | | - | C-1 | C-1/2 | C-1/3 | C-1/4 | - | | | ; | ن -1 | ٦- | C-1/2 | c-1/3 | C-1/4 | | | | C-1 | C-1 | C-1/2 | C-1/3 | 5-1/4 | | | | | <u>ن</u> | C-1 | c-1/2 | C-1/3 | C-1/4 | | |
| Table 4(continued | | RANGE. | 1 | | 1 | 94.7/0 | | | | | | | | | 4/1.22 | | | | | | | | 7/2.13 | | | | | | | | | 8/2.44 | | | | | | - |

| | | | | | | | | | - | _ | | | | | - | | | |
|------------|-------------------|--------|-----------|---------------------------|------------------|-------------|------------|-------------|-----|----------|-----|---------|-----|----------|-----|------------|-----|-----------|
| 3 | C-1 through D-1/4 | orient | ation tes | orientation tests and com | ombined controls | crots. | | | | | | | - | | - | | | |
| | | | INSTRI | INSTRUMENT CYLLIN | MOER | | | | | | | | | | | | | |
| RANGE, CON | CONFIG. | ANIMAL | Ртах, | Psm, | EIP, | CHARGE | LW/BW, | LUNGS | | PHARYNX/ | | TRACHEA | ٦ | GI TRACT | | SOLID | 10 | ADJ. SEV. |
| ft/m | | | kPa | kPa | kPa⁻2*ms | VT., 9 | * | | | LARYNX | × | | | | < | AB. ORGANS | 2 | INDEX |
| _ | - | | | | | | | | _ | | - | | - | | - | | | |
| 4/1.22 C | C-1 | 141** | 1171.8 | 295.3 | 100337 | 1361 | 1.96 | EXT | 8 | MOD | 22 | 25 | 8 | 8 | 8 | SEG. | 0 | 5.10 |
| - | C-1 | 151** | | | | | 1.59 | EXT | 28 | SL | 14 | 90 | 20 | EXT | 35 | ટા | ٥ | 7.48 |
| ပ် | C-1/2 | 991 | | | | | 1.78 | EXT | 28 | 8 | 8 | 8 | 20 | EXT | 39 | ಸ | 18 | 4.12 |
| ပ် | c-1/3 | 169 | | | | | 2.01 | EXT | 26 | SL | 16 | SL | 18 | EXT | 75 | MEG | 0 | 3.70 |
| ن | C-1/4 | 179 | | | | | 1.14 | EXT | 52 | MO0 | 22 | SL | 18 | EXT | 45 | TRACE | 7 | 2.87 |
| | | | | | | Mean | 1.70 | EXT | 28 | 9 | 18 | 8 | 2 | EXT | 37 | જ | ٥ | 4.65 |
| _ | | | | | | SO | 0.35 | | m | | 3 | | - | | ~ | | 60 | 1.7 |
| | | | | | | SE | 0.16 | | - | | 7 | | 0 | | м | i | ~ | ٥. |
| | | | | | | | | | | | | | | | | | | |
| 7/2.13 C | C-1 | 145** | 957.5 | 305.1 | 126012 | 1361 | 1.88 | EXT | 25 | SL | 16 | 904 | 22 | EXT | 75 | 1S | ٥ | 67.6 |
| C | C-1 | 152 | | | | | 1.29 | EXT | 36 | รเ | 2 | SL | 12 | EXT | 39 | MEG | 0 | 1.72 |
| ပ် | c-1/2 | 161** | | | | | 1.28 | M-EXT | જ | St | 8 | Sľ | 18 | EXT | 36 | 90H | 20 | 10.66 |
| ပ် | C-1/3 | 170 | | | | | 1.16 | EXT | 36 | 1S | 12 | รเ | 7 | 90 | 54 | SL | 15 | 2.78 |
| -ე | C-1/4 | 180** | | | | | 1.12 | EXT | 39 | St | 16 | SL | 9 | MO0 | 28 | TRACE | 4 | 6.10 |
| | | | | | | Mean | 1.35 | EXT | 1.7 | 15 | 11 | JS | 13 | EXT | 34 | 15 | 10 | 6.15 |
| | | | | | | SO | 0.31 | | 9 | | 2 | | 7 | | 80 | | 8 | 3.95 |
| | | | | | | SE | 0.14 | | 2 | | ~ | | м | | 2 | | 7 | 1.77 |
| 4 | , | | | | 10,0,0 | | 4 | | • | 1 | 1 | | ! | ! | 1 | | - | |
| 8/2.44 C | -5 | 14.5" | 1131.6 | 482.9 | 102003 | 1301 | 2.45 | EXI | 3 5 | 8 | 7 | EXI | 3 4 | EXI | 3 3 | TRACE | 3 5 | 77.75 |
| ١ | | 155 | | | | | 1.03 | EXI | 7, | EXI | 3, | EXI | 2,2 | EX | 8 2 | 3 | 2 8 | 27.68 |
| ا د | 2/1-2 | 171## | | | | | \$ | F-EXI | 8 8 | ก่ | - 4 | EX. | 8 2 | 3 2 | 9 5 | 3 | 9 8 | 10 75 |
| ناد | C-1/4 | 181** | | | | | 1.47 | EXT | 75 | 9 | 180 | 8 | 72 | EXI | 2 2 | 3 | 3 2 | 6.63 |
| - | | | | | | Mean | 1.61 | EXI | 7,7 | 8 | 2 | EX | E | EX | × | 28 | 1- | 8.0 |
| | | | | | | SD | 0.50 | | ٥ | | 7 | | = | | 9 | | 9 | 2.64 |
| | | | | | | SE | 0.23 | | 7 | | ٥ | | 2 | | M | | 2 | 1.18 |
| _ | _ | | | | | | | | | | _ | | - | | 1 | | | |
| | | | | | | 3.05 x 1.52 | 2 x 2.44 - | m Enclosure | UL | | | | | | | | | |
| 3/0.91 | 1-6 | 182 | 377.0 | 119.4 | 14265 | _ | } | MEG | 0 | NEG | 0 | NEG | | TRACE | 7 | MEG | 0 | 0.08 |
| ٥ | 1-0 | 161 | | | | | 96.0 | NEG. | 0 | TRACE | ~ | NEG | 0 | NEG | 0 | SEC. | 0 | 0.05 |
| ۵ | D-1/2 | 202 | | | | | 0.83 | NEG | 0 | TRACE | m | MEG | 0 | NEG | 0 | SEG. | 0 | 0.05 |
| ۵ | 0-1/3 | 211 | | | | | 1.11 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | SEG. | 0 | 0.0 |
| ۵ | 0-1/4 | 218 | | | | | 0.89 | SL | 14 | St | 2 | NEG | 0 | SL | 80 | NEG | 0 | 0.47 |
| | | | | ! | | Mean | 96.0 | TRACE | 3 | TRACE | 2 | NEG | 0 | TRACE | 2 | NEG. | 0 | 0.13 |
| - | | | | | | SO | 0.11 | | 9 | | ~ | | 0 | | 3 | | 0 | 0.19 |
| | | | | | | Ļ | 200 | | • | | | | | | | | | |

| | | ADJ. SEV. | INDEX | - | 0.0 | + | 200 | +- | 0 0.28 | 0 0.22 | 0 0.08 | 0 0.03 | | 0 0.18 | _ | 0 0.14 | | 0 0.16 | | 0 0.04 | 0 0.83 | | 0 0.67 | \dashv | 0 0.74 | | | 0 0.07 | 0 0.38 | 0.70 | | 0 0.69 | 3 0.46 | 1 0.53 | 1 0.15 |
|----------------------------|-------------------|-----------|------------|---|-------|-----------|-------|-------|--------|--------|--------|--------|----------|--------|-------|--------|-------|--------|------|--------|------------|------|----------|----------|--------|-------|------|--------|--------|-------|-------|--------|--------|--------|--------|
| | | SOLID | AB. ORGANS | - | O DA | + | 1 | + | NEG | ┢ | | | | Н | | | NEG | NEG | | | NEG | | NEG (| | NEG (|) DEC | | | - | | NEG (| | | TRACE | |
| | | <u></u> | • | | ~ | , , | , c | 0 | 0 | F | - | - | 0 | 0 | 0 | 0 | 7 | ı | 3 | - | 77 | 12 | 50 | 18 | 18 | 18 | 7 | 2 | 0 | ຂ | 2 | 12 | 7 | ٥ | 8 |
| | | GI TRACT | | | TOACE | אַנייַ דּ | NE S | NEG | MEG | TRACE | | | NEG | KEG | NEG | NEG | SF | TRACE | | | 400 | SL | 9 | SL | SL | SI | | | XEG. | 8 | SL | ซี | SL | S | |
| | | | | | c | > ~ | , , | 0 | M | 7 | m | - | 0 | 3 | 0 | 0 | 0 | ı | - | - | 0 | 2 | 0 | 0 | 0 | 1 | 2 | - | ~ | 2 | ~ | 9 | 3 | 7 | - |
| | | TRACHEA | | | NEC | TOACE | 10 | NEG | TRACE | TRACE | | | NEG | TRACE | NEG | NEG | NEG | TRACE | | | NEG | รเ | NEG | NEG | NEG | TRACE | | | 35 | SL | TRACE | ร | TRACE | TRACE | |
| | | Γ | × | | , | | , | - 80 | 7 | 2 | 2 | - | 7 | 0 | 3 | 3 | 0 | 2 | 3 | - | 2 | 2 | 7 | 2 | 7 | 7 | - | 0 | æ | 8 | 2 | 2 | 4 | 9 | ^ |
| | | PHARYNX/ | LARYNX | | TOACE | TOACE | 1 | 7 2 | TRACE | 3 | | | SL | NEG | TRACE | TRACE | NEG | TRACE | | | SL | SL | TRACE | TRACE | TRACE | TRACE | | | S | SL | ร | รเ | TRACE | SL | |
| | | | | | ` | r | > | , 0 | 9 | 2 | 4 | 2 | 0 | 8 | 0 | 9 | 3 | 3 | 7 | 7 | 2 | 12 | 12 | 0 | 12 | 8 | S | 7 | 2 | 3 | 12 | 12 | 8 | 0 | ~ |
| | | LUNGS | | | TOACE | NE C | TOACT | SI | 5 | 25 | | | NEG | 75 | NEG | 18 | TRACE | TRACE | | | SL | ร | SI | NEG | SI | SL | | | z | TRACE | รเ | ร | S | าร | |
| | | LW/BW, | × | | 00 | 80 | 20.0 | 0.97 | 8.0 | 0.95 | 0.0 | 0.02 | 0.00 | 1.02 | 0.88 | 1.02 | 1.11 | 0.99 | 0.10 | 0.04 | 0.88 | 0.00 | 1.04 | 1.16 | 1.09 | 1.01 | 0.12 | 0.05 | 1.07 | 1.05 | 1.25 | 0.91 | 0.94 | 1.04 | 71 |
| rols. | | CHARGE | VT., 9 | | 112 | 2 | | | | Mean | S | SE | 113 | | | | | Mean | SO | SE | 227 | | | | | Mean | S | SE | 227 | | | | | Mean | S |
| mbined controls. | HDER H | EIP, | kPa⁻2*ms | | 11210 | 2 | | | | | | | 13212 | | | | | | | | 34473 | | | | | | | | 29471 | | | | | | _ |
| orientation tests and comb | INSTRUMENT CYLING | Psm, | kPa | _ | 11, 0 | 2 | | | | | | | 123.4 | | | | | | | | 191.3 | | | | | | | | 185.1 | | | | | | |
| ation tes | INSTRE | Ртах, | kPa | | 150 1 | | | | | | | | 463.3 | | | | | | | | 846.3 | | | | | | | | 726.8 | | | | | | |
| 1 | | ANIMAL | | | 787 | 5 5 | 200 | 8 | 219 | | | | 183 | 192 | 201 | 210 | 220 | | | | 185 | 194 | 202 | 214 | 221 | | | | 187 | 36 | 203 | 212 | 222 | | |
| gh D-1/4 | | CONFIG. | | | č | 2 | 200 | 0-1/3 | 0-1/4 | | | | D-1 | 0-1 | 0-1/2 | 0-1/3 | 0-1/4 | | | | D-1 | 0-1 | 0-1/2 | D-1/3 | D-1/4 | | | | -1 | 0-1 | D-1/2 | 0-1/3 | 0-1/4 | | _ |
| C-1 through D-1/4, | | RANGE, | ft/m | | 77 33 | */ 1.55 | | | | | | | 4.2/1.28 | | | | | | | | 3/0.91 | | | | | | | | 4/1.22 | | | | | | |

| rations | | | ADJ. SEV. | IMDEX | | • / 0 | 22.0 | 0.72 | 3.0 | 0.57 | 0.53 | 0.14 | 9.06 | 89. | 1.09 | 1.73 | 1.80 | 1.57 | 1.57 | 0.28 | 0.13 | | 3. | 1.67 | 7.6 | 2.25 | 1.44 | 1.73 | 0.31 | 0.14 | | % | 1.24 | 1.51 | 1.19 | 1.57 | 1.37 | 0.17 | 0.07 |
|--|---------------------------|------------------|-----------|------------|---|-------|---------|-------|-------|-------|--------|------|------|--------|-------|-------|-------|-------|------|-------------|------|----------|-----------|--------------|-------|-------|-------|-------|------|------|---|-----------|------|-------|-------|-------|-------|------|------|
| onfig | - | | _ | _ | | - | , | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \vdash | 0 | 2 | 7 | 2 | 3 | 3 | 2 | - | H | 0 | 0 | 0 | 7 | 0 | | 7 | _ |
| enclosures for configurations | | | SOL ID | AB. ORGANS | | 007 | MEG | MEG | NEG | MEG | SHC SH | | | NEG | NEG | NEG | NEG | NEG | NEG | | | | MEG | TRACE | TRACE | SL | TRACE | TRACE | | | | MEG | MEG | NEG | TRACE | NEG | TRACE | | |
| nclos | - | | | ~ | | - | | 60 | 7 | 9 | | 2 | 2 | 8 | 2 | 77 | 39 | 92 | 22 | 7 | 3 | | 92 | 20 | 54 | 28 | 54 | 72 | 3 | - | | 2 | 20 | 92 | 20 | 56 | 77 | m | - |
| 8 | _ | | GI TRACT | | | 000 | 7 | 8 | S | 25 | St | | | 8 | 9 | 90 | EXT | 901 | QOH | | | | 90 | 9 | 9 | MOD | 8 | 901 | | | | 8 | 8 | 90 | 9 | Q | 9 | | |
| 2.44 | 1 | | G | | | • | , ~ | . 0 | 0 | S | m | 3 | - | м | 7 | 9 | 10 | 2 | 9 | 1 -0 | 1 | | 2 | 18 | 9 | 2 | 9 | 8 | 9 | 3 | | 2 | 9 | • | 9 | 2 | 2 | - | 0 |
| x 1.52 x | | | TRACHEA | | | 000 | 2 | 15 | NEG | JS. | TRACE | | | TRACE | TRACE | 75 | SL | 15 | 18 | | | | 75 | SL | 7S | SL | St | 15 | | | | 25 | SI | TRACE | 18 | SL | 75 | | |
| 3.05 | - | | - | | - | | , , | | 7 | 2 | 5 | 2 | _ | | - | æ | 7 | 3 | 6 | 9 | 3 | \vdash | 8 | 18 | 14 | 7 | 7 | 13 | 7 | 2 | - | 9 | 9 | 8 | 8 | 16 | 6 | 3 | 7 |
| -and 3. | | | PHARYNX/ | LARYNX | - | TOACE | - T | TRACE | TRACE | ಹ | St | | | 8 | SL | S | SL | TRACE | 15 | | | | | | _ | TRACE | SL | JS. | | | | ซ | SI | ıs | SL | St | 15 | | |
| 2.44 | - | | ۵ | | - | 2 | . 7 | + | ₩ | 12 | 5 | 7 | 3 | 22 | 20 | 77 | 32 | 22 | 30 | 0 | 4 | | 33 | 38 | 39 | 18 | 30 | 31 | 80 | 4 | | 8 | 39 | 39 | 18 | 33 | 32 | ٥ | 3 |
| 3.05 × | | | LUNGS | | - | ē | TPACE | 8 | S | S | Z S | | | | 7 | EXT | | | 004 | | | | 9 | 9 | EXT | SI | 90 | OOM | | | 7 | 8 | _ | EXT | Н | 904 | | 1 | |
| FY 91 pathology and pressure-time summary for the 4.88 x | | | LW/8W, | × | | 70 | 0.07 | 1.27 | 1.08 | 1.06 | 1.06 | 0.13 | 90.0 | 1.02 | 0.97 | 1.49 | 1.36 | 1.36 | 1.24 | 0.23 | 0.10 | | 96.0 | 1.20 | 1.44 | 16.0 | 1.00 | 1.10 | 0.22 | 0.10 | | 1.30 | 1.51 | 1.60 | 1.02 | 1.11 | 1.31 | 0.25 | 0.11 |
| summary for | rols. | | CHARGE | VT., 9 | | 700 | | | | | Mean | S | SE | 757 | | | | | Mean | S | 35 | | 757 | | | | | Mean | SD | SE | | 424 | | | | | Mean | ક્ર | SE |
| saure-time | MIDINED CONTROLS | NDER | | kPa-2*ms | | 77700 | 2000 | | | | | | | 82213 | | | | | | | | | 06699 | | | | | | | | | 74263 | | | | | | | |
| and pre | orientation tests and com | INSTRIMENT CYLIM | Psm, | kPa | | 27. | 2.5 | | | | | | | 272.0 | | | | | | | | | 238.1 | | | | | | | | | 261.8 | | | | | | | |
| pathology | ation tes | INSTRE | Pmax, | кра | | 7 444 | | | | | | | | 1338.5 | | | | | | | | | 1091.6 | | | | | | | | | 1022.4 | | | | | | | |
| 1 | Orient | | ANIMAL | | | 70, | 3 2 | 202 | 213 | 223 | | | | 188 | 197 | 208 | 217 | 554 | | | | | <u>\$</u> | 2 | 506 | 215 | 225 | | | | | 189 89 | 198 | 202 | 216 | 526 | | | |
| Table 4(continued). | %/I-0 u6 | | COMF1G. | _ | | | | 0-1/2 | 0-1/3 | 0-1/4 | | | | 0-1 | D-1 | 0-1/2 | 0-1/3 | 0-1/4 | | | | | D-1 | D-1 | D-1/2 | 0-1/3 | 0-1/4 | | | | | -1 | 0-1 | 0-1/2 | 0-1/3 | 0-1/4 | | | |
| Table 4(c | C-1 through D-1/4 | | RANGE, | ft/m | | 000 | 2:1/2:1 | | | | | | | 3/0.91 | | | | | | | | | 4/1.22 | | | | | | | | | 4.2/1.28 | | | | | | | |

| CHARGE | | ì | | | | | | | | | | | | | | | | | | • |
|--|------|------|----------|----------|-----------|----------|-------------|---------|-----------------|------------|-----------|----------|--------|-----|----------|----|------------|---|-----------|---|
| NATIONAL Page, Early E | 함 | 4 | ienta | tion tes | ts and co | | trols. | | | | | | | | | | | _ | | ٦ |
| MINAL Pinak, Pan, EIP, CHARGE LUNBU, LUNGS PHARYBAX LUNGS LUNBUK LUNGS PHARYBAX LUNGS LUNGS LUNGS LUNRYKAX LUNGS LUNGS LUNRYKAX LUNGS LUNGS LUNRYKAX LUNGS LUNGS LUNRYKAX L | | | | THSTRU | WENT CYL | INDER | | | | | | | | | | | | | | |
| KPa KPa KPa KPa Tank KPa KPa Tank KPa Tank KPa Tank KPa Tank Ta | 8 | - | NI. | Ртах, | Psm, | EIP, | CHARGE | LW/BW, | TONG | | PHARYNX/ | | RACHEA | Ĭ | GI TRACT | | SOL 10 | 2 | ADJ. SEV. | |
| Right-Side-on at 1.22 m | | | | kPa | kPa | kPa⁻2*ms | | × | | | LARYN | × | | | | | AB. ORGANS | S | INDEX | × |
| Right-Side-on at 1.22 m | | | | | | | | | | | | ŀ | | Ì | | | | | | |
| Signt-side-on at 1.22 m | | | - | | | | | | | | | | | | | | | | | |
| 228 759.2 88.3 9256 1361 1.07 St. 21 MOD 18 230 230 1.16 HEXT 36 St. 4 4 233 235 1.21 HRean 1.16 HKR 7 4 7 235 55 88.3 9256 1361 0.06 6 1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Right-Side-</td><td>at 1</td><td>E</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | Right-Side- | at 1 | E | | | | | | | | | | | |
| 230 1.16 M-EVT 36 SI 44 233 1.21 EXT 48 EXT 44 235 MOD 1.18 EXT 48 EXT 44 235 MOD 1.06 MOD 17 MOD 17 MOD 17 229 759.2 88.3 9256 1361 0.09 MOD 24 SL 6 231 232 1.07 MOD 27 SL 8 234 235 1.07 MOD 24 SL 6 237 759.2 88.3 9256 1361 0.09 MOD 25 SL 6 234 5 1.07 MOD 27 SL 8 8 14 235 786.9 98.2 1074 1.07 MOD 25 SL 6 16 240 88.9 98.2 1.074 MOD 26 SL 11 11 11 11 11 11 11 11 11 11< | FF.C | | ~ | 759.2 | 88.3 | 9526 | 1361 | 1.07 | SF | 21 | 90 | 18 | รเ | 18 | EXT | 39 | TRACE | 7 | 3.03 | |
| 233 1.21 EXT 46 EXT 47 235 1.18 EXT 39 SL 7 1.18 EXT 39 SL 7 1.10 80 0.06 11 17 220 759.2 88.3 9256 1361 0.99 MOD 24 SL 8 234 759.2 88.3 9256 1361 0.99 MOD 24 SL 8 235 759.2 88.3 9256 1361 0.99 MOD 24 SL 8 234 759.2 88.3 9256 1361 0.99 MOD 27 SL 8 235 788.9 98.2 10714 1361 1.01 MOD 30 EXT 40 240 88.9 98.2 10714 1361 1.01 MOD 30 EXT 40 242 88.9 98.2 10714 1361 1.34 MOD 30 EXT 40 242 88.0 98.2 10714 1361 1.34 MOD 31 EXT 40 236 78.8 98.2 10714 1361 1.34 <td>_</td> <td>23</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>1.16</td> <td>M-EXT</td> <td>8</td> <td>3</td> <td>∞</td> <td>8</td> <td>7,7</td> <td>EXT</td> <td>8</td> <td>TRACE</td> <td>4</td> <td>3.19</td> <td></td> | _ | 23 | 0 | | | | | 1.16 | M-EXT | 8 | 3 | ∞ | 8 | 7,7 | EXT | 8 | TRACE | 4 | 3.19 | |
| 1.18 EKT 39 SL 7 7 7 7 7 7 7 7 7 7 | L | 23. | 3 | | | | | 1.21 | EXT | 8 7 | EXT | 7,7 | 35 | 7 | 9 | 72 | MEG | 0 | 2.5 | |
| Name | L | 23. | 2 | | | | | 1.18 | EXT | 33 | S | 7 | 15 | 5 | 8 | 2 | REG | 0 | 1.47 | |
| 10 | L | | - | | | | Mean | 1.16 | 8 | % | 9 | 2 | ร | 5 | EXT | 'n | TRACE | ~ | 2.55 | |
| Left-Side-on at 1.22 m | _ | | - | | | | S | 90.0 | | Ξ | | 12 | | ∞ | | 3 | | ~ | 0.78 | |
| Left-Side-on at 1.22 m | | | | | | | SE | 0.03 | | 9 | | ٥ | | 7 | | 7 | | - | 0.39 | |
| FF.ORIEN 229 759.2 88.3 9256 1361 0.99 MOD 24 St. 6 1.0 | L | | - | | | | | | | | | | | | | | | _ | | |
| FF.ORIEN 229 759.2 88.3 9256 1361 0.99 WOD 24 St. 6 | | | | | | | Left-Side-c | at 1.22 | E | | | | | | | | | | | |
| 1.10 1.07 1.00 27 S1 8 1.10 | • | L | 6 | 759.2 | 88.3 | Γ | 1361 | 1 | 90 | 7,7 | JS | 9 | NEG | 0 | ร | 7 | TRACE | ~ | 0.86 | |
| 1.15 | Г | L | - | | | | | 1.07 | 8 | 22 | 15 | ∞ | 15 | 2 | 75 | 'n | TRACE | M | 1.08 | |
| 1.15 WOD 33 SL 14 | | 23. | 2 | | | | | 1.16 | JS | 2 | ಚ | æ | S | 9 | รเ | 2 | NEG | 0 | 1.23 | _ |
| FF.ORIEN 236 788.9 98.2 10714 1361 1.34 mod 26 SL 9 3 2 3 3 2 3 3 3 3 3 | _ | 23 | | | | | | 1.15 | 8 | 33 | ટ | 7 | ร | 9 | SI | ٥ | SEG. | 0 | 1.38 | |
| FF.ORIEN 236 0.08 5 3 FF.ORIEN 237 788.9 98.2 10714 1361 1.01 MOD 30 8.1 16 FF.ORIEN 239 98.2 10714 1361 1.01 MOD 30 8.1 16 P.O. 242 8 8 8 8 8 8 1 1 8 1 | | | | | | | Mean | 1.09 | 00H | 58 | SL | 0 | SL | 80 | SL | 9 | TRACE | 2 | 1.13 | _ |
| FF.ORIEN 237 788.9 98.2 10714 1361 1.01 MOD 30 SL 16 240 242 10714 1361 1.01 MOD 30 EXT 40 242 242 100 1.00 MOD 33 MOD 20 242 242 242 242 242 242 242 242 242 243 MOD 20 242 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>S</td> <td>0.08</td> <td></td> <td>2</td> <td></td> <td>3</td> <td></td> <td>7</td> <td></td> <td>9</td> <td></td> <td>2</td> <td>0.25</td> <td></td> | | | | | | | S | 0.08 | | 2 | | 3 | | 7 | | 9 | | 2 | 0.25 | |
| FF.ORIEN 237 788.9 98.2 10714 1361 1.01 MOD 30 SL 16 240 240 10.0 1.00 1.00 1.00 100 20 242 242 1.00 1.00 1.00 1.00 1.00 20 242 242 1.00 1.00 1.00 1.00 1.00 20 242 242 1.00 1.00 1.00 1.00 1.00 20 243 242 1.00 2.00 1.00 2.00 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 2.1 1.1 2.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 2.1 2.1 | | | | | | | SE | 0.04 | | 3 | | 2 | | 2 | | 3 | | - | 0.11 | |
| FF.ORIEN 237 788.9 98.2 10714 1361 1.01 MOD 30 SL 16 239 240 240 1.00 MOD 30 MOD 20 242 242 1.00 MOD 33 MOD 20 243 1.00 MOD 33 MOD 20 240 20 MOD 33 MOD 20 241 25 MOD 20 11 20 242 1.0714 1361 1.34 MOD 24 1RACE 4 25 2711 EXT 48 TRACE 4 271 48 TRACE 4 25 2711 EXT 48 TRACE 4 1.19 | | | | | | | | | | | | | | | | | | | | |
| 237 788.9 98.2 10714 1361 1.01 MOD 30 SL 16 239 240 0.98 HOD 30 EXT 40 242 0.09 1.00 MOD 33 MOD 20 242 0.09 0.81 MOD 31 EXT 24 242 0.09 0.09 31 EXT 24 25 MOD 31 EXT 24 26 0.09 0.09 2 11 5 27 SE 0.09 2 11 5 28 0.05 1 5 11 5 28 1 1.34 MOD 24 11 11 28 1 1.34 MOD 24 18 18 18 29 1 1.34 MOD 24 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 | | | | | | | | 1.22 m | | | | | | | | | | | | |
| 239 HOD 30 EKT 40 240 1.00 HOD 30 EKT 40 242 1.00 HOD 30 HOD 20 242 1.00 HOD 33 HOD 20 242 1.00 HOD 31 EKT 24 80 0.09 1.09 2 11 5 80 0.09 2 1 5 80 0.09 2 1 5 80 1.00 2 1 5 100 1.00 1.00 1 1 5 100 1.00 1.00 1 1 5 100 1.00 1.00 1 1 5 100 1.00 1.00 1 1 5 100 1.00 1.00 1 1 1 5 100 1.00 1.00 1 1 1 1 1 1 1 1 1 1 1 1 < | FF.C | | | 788.9 | 98.2 | 10714 | 1361 | 1.01 | 9 0 | ន | SL | 2 | EXT | 32 | EXT | × | NEG | 0 | 2.33 | |
| 240 1.00 MOD 30 MOD 20 242 0.81 MOD 33 MOD 20 242 0.81 MOD 31 EXT 24 80 0.09 2 MOD 21 11 80 0.09 2 1 5 236 788.9 98.2 10714 1361 1.34 MOD 24 TRACE 4 241 243 119 SL 18 IRACE 4 243 Mean 1.23 SL 18 IREG 0 80 0.43 147 MOD 27 IRACE 4 80 0.043 14 8 IRACE 4 | | 23 | 6 | | | | | 0.98 | 8 | 8 | EXT | Ş | ร | 2 | Ş | % | 9 | 0 | 2.12 | |
| 242 0.81 MOD 33 MOD 20 80 0.95 MOD 31 EXT 24 80 0.09 2 11 5 80 0.09 2 11 5 10 31 EXT 24 11 11 32 1 5 11 12 32 1 11 5 12 43 12 11 11 12 43 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 | | 54 | 0 | | | | | 1.00 | Ş | 8 | 8 | 2 | EXT | 9 | 8 | 72 | TRACE | m | 2.25 | |
| Nean 0.95 MOD 31 EXT 24 SD 0.09 2 11 11 11 11 11 11 11 | | 24. | 7 | | | | | 0.81 | ₹ | 33 | 욯 | 2 | 욡 | 8 | Ş | 92 | TRACE | 3 | 2.12 | |
| SE 0.09 2 11 | | | | | | | Mean | 0.95 | 8 | ٣ | EXT | 2 | EXT | & | 9 | 8 | TRACE | 2 | 2.21 | |
| 236 788.9 98.2 10714 1361 1.34 MOD 24 TRACE 4 231 23 | | | | | | | S | 0.0 | | 7 | | Ξ | | 2 | | S | | 2 | 0.1 | |
| 236 788.9 98.2 10714 1361 1.34 MOD 24 TRACE 4 241 EXT 48 TRACE 4 243 L119 SL 18 TRACE 4 243 L119 SL 18 TRACE 4 243 L123 SL 18 RG 0 Amon 27 TRACE 4 Amon 27 TRACE 4 Amon 27 TRACE 3 | | | | | | | SE | 0.05 | | - | | 2 | | 2 | | 3 | | • | 0.05 | |
| 236 788.9 98.2 10714 1361 1.34 MOD 24 TRACE 3 238 241 EXT 48 TRACE 4 241 EXT 48 TRACE 4 243 1.19 SL 18 NEG 0 44 1.23 SL 18 NEG 0 50 0.43 14 14 14 14 14 | | | - | | | | | | | | | | | | | | | | | |
| FF.ORIEN 236 788.9 98.2 10714 1361 1.34 MOD 24 TRACE 3 2.41 EXT 48 TRACE 4 48 TRACE 4 2.41 EXT 48 TRACE 4 4 4 2.43 EXT 48 TRACE 4 4 4 2.43 EXT 48 1.23 SL 18 NG 0 2.43 EXT EXT EXT EXT EXT A 0 0 27 TRACE 3 2.43 EXT EXT EXT EXT EXT EXT C 0 0 0 14 EXT EXT T 2 2 1 1 EXT EXT EXT 1 1 EXT 1 1 EXT EXT 1 1 EXT 1 1 EXT EXT 1 1 1 EXT EXT< | | | | | | | | 1.22 m | | | | | | | | | | | | |
| 2.11 EXT 48 TRACE 4 1.19 SL 18 TRACE 4 1.23 SL 18 NEG 0 1.23 SL 18 NEG 0 1.27 MOD 27 TRACE 3 SD 0.43 14 2 | | | 9 | 788.9 | 98.2 | 10714 | 1361 | 1.34 | 9 | 54 | TRACE | ~ | SL | 2 | SL | 2 | NEG | 0 | 0.79 | |
| 1.19 SL 18 TRACE 4 1.23 SL 18 NEG 0 Mean 1.47 MOD 27 TRACE 3 SD 0.43 14 E | | 23 | 8 | | | | | 2.11 | EXT | 87 | TRACE | 7 | SL | 12 | EXT | 33 | NEG | 0 | 2.88 | |
| 1.23 SL 18 NEG 0 Mean 1.47 MOD 27 TRACE 3 SD 0.43 14 2 | | 57 | _ | | | | | 1.19 | S | 18 | TRACE | 7 | NEG | 0 | H00 | 54 | NEG | 0 | 0.98 | _ |
| 1.47 MOD 27 TRACE 3 0.43 14 2 | | 54. | 3 | | | | | 1.23 | SL | 18 | NEG | 0 | SL | 9 | H00 | 77 | NEG | 0 | 1.02 | |
| 0.43 | | | - | | | | Mean | 1.47 | 90 M | 22 | TRACE | 3 | SL | 9 | HOD | 77 | NEG | 0 | 1.42 | |
| | | | | | | | SO | 0.43 | | 7 | | ~ | | 2 | | 12 | | 0 | 0.98 | - |
| 0.22 | | | | | | | Ļ | 0 0 | | ł | | • | | • | | | | | | |

| ANIMAL Pmax, Psm, KPa KPa KPa KPa KPa KPa KPa KPa KPa KPa | National Prints Pair Pai | C-1 through D-1/4 | | parnotogy ation tes | orientation tests and com | ssure-time summary | rols. | the 4.88 × | 3.05 × | 2.44 | -and 3 | 3.05 | x 1.52 x | 2.44 | • | enc los | enclosures for | confi | configurations |
|--|--|-------------------|--------|------------------------|---------------------------|--------------------|--------------|------------|--------|------|---------|------|----------|---------|---------|----------|----------------|-------|----------------|
| AMINAL Press, Pea, Reg EPa, CHAGG LIV/BH, LIMS PARKWAY TRACKEA GI TRACT SOLID CHAGG LIV/BH, LIMS LIV/BHA LILAYAN TRACKEA GI TRACT AB. OCCIDANS LILAYAN TRACKEA GI TRACT AB. OCCIDANS LILAYAN TRACKEA GI TRACT GI | AMINAL Property | | | INSTRU | MENT CYL | MDER | | | | | | | | | | | | | |
| No. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10, | No. | 1.: | ANIMAL | Ртах, | Psm, | EIP, | CHARGE | LW/BW, | LUNGS | | HARYNX/ | | RACHEA | ٥ | I TRACI | | SOL II | | ADJ. SEV. |
| 245 784.0 127.0 7649 1361 1.36 EKT 52 184E 3 St. 6 NOD 24 NEG 0 247 Nean 1.36 EKT 52 184E 3 St. 6 NOD 22 NEG 0 248 165.8 49.9 1908 1361 1.35 EKT 54 184E 3 St. 6 NOD 22 NEG 0 249 165.8 49.9 1908 1361 1.35 WD 28 St. 6 NOD 22 NEG 0 240 165.8 49.9 1908 1361 1.39 WD 28 St. 6 NEG 0 240 165.8 49.9 1908 1361 1.39 WD 28 St. 6 NEG 0 241 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 242 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 243 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 244 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 245 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 246 165.8 49.9 1908 1361 1.30 WD 28 St. 6 NEG 0 247 165 165 165 165 165 165 165 165 165 165 | 243 784.0 127.0 7649 1361 1.150 EKT 52 1846 3 51. 6 MOD 24 MEG 0 247 784.0 127.0 7649 1361 1.156 EKT 52 1846 3 51. 6 MOD 22 MEG 0 248 784.0 127.0 7649 1361 1.156 EKT 54 1846 3 51. 6 MOD 22 MEG 0 249 244 784.0 127.0 7649 1361 1.127 MCD 28 51. 5 MCD 21 MEG 0 240 127.0 7649 1361 1.127 MCD 28 51. 5 MEG 0 MEG 0 240 127.0 7649 1361 1.127 MCD 28 51. 5 MEG 0 MEG 0 240 127.0 7649 1361 1.127 MCD 28 51. 5 MEG 0 MEG 0 240 127.0 127.0 7649 1361 1.127 MCD 32 51. 10 1846 0 250 1.12 MCD 24 5 MEG 0 MEG 0 250 1.12 MCD 25 11 1 1 1 1 1 1 1 1 250 1.12 MCD 25 11 1 1 1 1 1 1 1 1 1 1 250 1.12 MCD 25 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | kPa | kPa | kPa^2*ms | , | × | | | LARYN | × | | | | Y | | | INDEX |
| 245 784.0 127.0 7649 1361 1.36 ERT 32 TAME 3 SL 6 MOD 22 MEG 0 0 1 2 MEG 0 1 0 1 2 MEG 0 1 1 3 MET 1 2 MET 1 2 MET 1 2 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 1 MEG 0 1 MEG 0 1 1 MEG 0 1 MEG 0 1 1 MEG 0 1 MEG | 245 784.0 127.0 7649 1361 1.26 n RT 12 | ∭⁻ | | | | | | | | - | | - | | - | | - | | | |
| 24.5 784.0 132.0 136.1 13.3 EXT 32 140.0 3 14 Mod 20.0 14 Mod 20.0 10.0 10.0 11.39 H-EXT 36.1 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0 11.0 12.0< | 245 784, 0 1351 1,35 FEXT 35 16 MOD 24 MEG 0 247 Nean 1,39 H-EXT 35 11 MOD 22 MEG 0 247 Nean 1,39 H-EXT 35 11 MOD 22 MEG 0 246 NEG 0 1 1 NEG 1 1 NEG 0 246 784,0 127.0 7449 155 1 NEG 0 NEG 0 NEG 0 246 784,0 127.0 7449 155 1,15 MCD 28 1 1 NEG 0 NEG <td< th=""><th>1</th><th></th><th></th><th></th><th></th><th></th><th></th><th>1.22 m</th><th>1</th><th></th><th></th><th>1</th><th></th><th></th><th></th><th></th><th></th><th></th></td<> | 1 | | | | | | | 1.22 m | 1 | | | 1 | | | | | | |
| 244 784.0 127.0 7649 1861 1.39 N-ERT 36 17A,0C 3 51 6 NOD 20 NEG 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 130 H-EAT 130 H-EAT 36 1940E 3 SL 5 NO 20 NEG 0 O O O O O O O O O O O O O O O O O O | 3 | 245 | 784.0 | 127.0 | Γ | | | EXT | - | TRACE | 2 | 75 | 9 | 8 | 77 | NEG | 0 | ۲.۲ |
| 1.36 St. 1.30 St. 1.4 TAACE 3 St. 6 NOO 22 NEG 0 O O O O O O O O O O O O O O O O O O | 136 St. 14 15 St. 14 15 St. 14 15 St. 15 | | 247 | | | | | 1.39 | M-EXT | ⊢ | TRACE | m | JS. | 2 | 8 | 92 | NEG | 0 | 1.27 |
| 244 7764.0 127.0 7649 1361 6.12 m 6 1 1 1 2 2 m 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 244 784.0 127.0 7649 1361 1.139 W.02 28 SL 5 SL 6 WEG 0 WEG 0 0 WEG 0 WE | T | | | | | Mean | 1.38 | EXT | ├ | TRACE | ~ | SL | 9 | 90 | 22 | MEG | 0 | 1.51 |
| 244 784.0 127.0 7649 1361 1.39 MOD 28 SL 5 SL 5 MEG 0 MEG 0 246 784.0 127.0 7649 1361 1.39 MOD 28 SL 5 SL 5 MEG 0 MEG 0 247 784.0 127.0 7649 1361 1.39 MOD 28 SL 5 SL 5 MEG 0 MEG 0 248 165.8 49.9 1908 1361 0.17 MOD 22 SL 10 TAKE 3 MEG 0 249 165.8 49.9 1908 1361 0.98 TRAE 4 SL 6 MEG 0 240 240 250 MEG 0 241 250 250 MEG 0 MEG 0 MEG 0 242 251 0 MEG 0 MEG 0 243 251 0 MEG 0 MEG 0 244 25 | 1 | T | | | | | SS | 0.02 | | = | | 0 | | - | | 2 | | 0 | 0.34 |
| 246 784.0 127.0 7649 1361 1.139 WOO 28 St. 5 St. 6 WEG 0 WEG 0 20 246 242 1361 1.15 M-ERT 36 St. 14 WEG 0 WEG 0 WEG 0 WEG 0 0 WEG | 244 784,0 127,0 7649 1361 1,139 H00 28 St. 5 St. 16 NEG 0 NE | П | | | | | SE | 0.05 | | 8 | | 0 | | - | | 7 | | 0 | 0.24 |
| 244 784.0 127.0 7449 134] CO. 11.0 11.5 H-EYT 36 St. 14 MEG 0 < | 244 784, 0 127, 0 7649 135 occidio 11, 0 He from the front of the | | | | | | | 1 | | - | | | | | | - | | | |
| 246 Hean 1.15 H-EXT 36 St. 14 HEG 0 | 246 Hean 1.27 MOD 32 St. 14 MEG 0 MEG 0 MEG 0 NEG E | 776 | 0 782 | 127.0 | Γ | | S | 9 | 28 | 15 | 5 | 15 | 5 | MEG | 0 | NEG | 0 | 0.77 |
| Sign Hean 1.27 MOD 32 St 10 TRACE 3 NEG 0 | New Paper 1.27 NOD 32 St. 10 TRACE 3 NEG 0 NEG 0 | | 546 | | | | | 1.15 | M-EXT | 28 | 25 | 2 | NEG | 0 | REG | 0 | NEG | 0 | 0.95 |
| Signature Sign | Sign | T | | | | | Mean | 1.27 | 8 | 32 | rs. | ╂ | TRACE | m | NEG | - | MEG | - | 8.8 |
| 248 165.8 49.9 1908 1361 0.98 12.44 m. 5 5 1 6 NEG 0 SL 6 NEG 0 NEG 0 249 165.8 49.9 1908 1361 0.98 51 5 16 MEG 0 SL 6 NEG 0 249 165.8 49.9 1908 1361 0.98 51 5 16 MEG 0 SL 6 NEG 0 249 150.8 0.11 1 1 1 1 1 NEG 0 1 1 1 1 1 1 NEG 0 4.2 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0 NEG 0 4.3 1 1 1 1 1 1 1 0 NEG | Right - Side-on at 2.44 m Right - Side-on at 2.44 m Side | | | | | | S | 0.17 | | 9 | | 9 | | 3 | | 0 | | 0 | 0.13 |
| Right - Side on at 2.44 m Right - Side on at 2.44 m Right - Side on at 2.44 m Right - Side on at 2.44 m Right - Side on at 2.44 m Right - Side on at 2.44 m Right - Side on at 2.45 mtg St. | Right - Side-on at 2.44 m | 1 | | | | | SE | 0.12 | | 7 | | 2 | | m | | 0 | | 0 | 0.0 |
| 248 165.6 49.9 1908 TRACE 4 SL 5 SL 5 TRACE 3 SL 6 NEG 0 SL 6 NEG 0 249 1 0.83 SL 5 SL 5 TRACE 3 SL 7 NEG 0 249 SD 0.11 SD 0.11 1 1 2 1 NEG 0 1 SD 0.11 SD 1 1 1 1 1 1 0 | 248 165.8 49.9 1908 1361 0.98 TRACE 4 SL 6 NEG 0 SL 6 NEG 0 249 165.8 49.9 1908 1361 0.83 SL 5 SL 6 NEG 0 249 100 11 1 1 1 1 NEG 0 11 5 SL 5 SL 6 NEG 0 12 NEG 0.03 1 1 1 1 1 0 13 SE 0.03 NEG 0 NEG 0 NEG 0 NEG 0 43 SE 0.093 NEG 0 NEG | | | | | | picht - Sick | ŧ | | - | | 7 | | | | 7 | | | |
| 249 Mean 0.83 St 5 SL 5 TRACE 2 SL 7 NEG 0 42 SE 0.011 SL 5 SL 6 TRACE 2 SL 7 NEG 0 42 Combined Control Data - FY 90 & 91 | 249 Nean 0.83 SL 5 SL 5 TRACE 3 SL 7 NEG 0 1 SE 0.01 1 1 1 1 7 NEG 0 1 SE 0.03 0.11 1 1 2 1 0 1 SE 0.03 0.11 1 1 1 2 1 0 42 SE 0.08 0.09 1 0 NEG 0 | FF. ORIEN | 248 | 165.8 | 6.67 | | 1361 | 8 | TRACE | 3 | 75 | 9 | NEG | - 0 | 15 | 9 | NEG | 0 | 0.16 |
| Second Near 0.91 SL 5 SL 6 TRACE 2 SL 7 NEG 0 0 0 0 0 0 0 0 0 | Signature Near 0.91 St 5 St 6 TRACE 2 St 7 NEG 0 | T | 549 | | | | | 0.83 | 35 | ~ | SL | ┢ | TRACE | M | ซ | 7 | NEG | 0 | 0.36 |
| Solution | So | Γ | | | | | Mean | 0.91 | JS. | 5 | ઝ | ┝ | TRACE | 7 | 15 | | NEG | 0 | 0.26 |
| Combined Control Data FY 90 & 91 Combined Control Data FY 90 & 91 MEG NEG 0 | Combined Control Data - FY 90 & 91 Combined Control Data FY 90 & 91 Combined | Γ | | | | | S | 0.11 | | - | | | | 5 | | ı | | 0 | 0.14 |
| Combined Control Data FY 90 & 91 Combined Control Data FY 90 & 91 NEG O NEG | Combined Control Data - FY 90 & 91 | П | | | | | SE | 0.08 | | - | | - | | 7 | | - | | 0 | 0.10 |
| Compiled Control Data | Combined Control Data FT YO a Y1 Compined Control Data Compined Contro | | | | | | | | 2 | • | | - | | | | | | | |
| 10 | 10 | Τ | - | | | | Colling | ALTO UST B | E S | ء اه | • | - | MEG | - | MEG | 9 | NFG | 6 | 00.0 |
| Disease Dise | Diseased | T | 75 | | | | | 0.91 | KEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | ¥EG | 0 | 9.0 |
| 1.02 NEG 0 SL 6 NEG 0 | 1.02 NEG 0 SL 6 NEG 0 | | 43 | | | | | DISEASE | - | 0 | SEG. | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.0 |
| 1.02 NEG 0 | 1.02 NEG 0 NEG | Г | 114 | | | | | 0.93 | | 0 | NEG | 0 | S | 9 | NEG | 0 | NEG | 0 | 0.11 |
| 1.02 NEG 0 TRACE 3 NEG 0 NEG | 1.02 NEG 0 TRACE 3 NEG 0 NEG | | 134 | | | | | 1.02 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 0.0 |
| O | 0.79 NEG 0 SL 7 SL 7 NEG 0 0 NEG 0 NEG 0 NEG 0 | | 144 | | | | | 1.02 | NEG | 0 | TRACE | ٣ | NEG | 0 | MEG | 0 | NEG | 0 | 0.05 |
| 1.16 NEG O | 0.98 NEG 0 | | 172 | | | | | 0.79 | NEG | 0 | SL | ~ | SI | 7 | NEG | 0 | NEG | 0 | 0.24 |
| 1.16 NEG 0 TRACE 4 NEG 0 NEG | 1.16 NEG 0 TRACE 4 NEG 0 NEG | | 227 | | | | | 0.98 | 5 | 0 | E G | 0 | NEG | 0 | NEG | 0 | NEG | 0 | 9.0 |
| 0.96 0 2 1 0 0 0.12 0 3 3 0 0 0.04 0 1 1 0 0 | Mean 0.96 0 2 1 0 </td <td></td> <td>280</td> <td></td> <td></td> <td></td> <td></td> <td>1.16</td> <td>NEG</td> <td>0</td> <td>TRACE</td> <td>4</td> <td>NEG</td> <td>0</td> <td>NEG</td> <td>0</td> <td>NEG</td> <td>0</td> <td>0.07</td> | | 280 | | | | | 1.16 | NEG | 0 | TRACE | 4 | NEG | 0 | NEG | 0 | NEG | 0 | 0.07 |
| 0.12 0 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | SD 0.12 0 3 3 0 0 SE 0.04 0 1 1 0 0 | П | | | | | Mean | 96.0 | | 0 | | 7 | | - | | 0 | | 0 | 0.05 |
| 0.04 0 1 1 0 0 | SE 0.04 0 1 1 0 0 0 | \sqcap | | | | | S | 0.12 | | 0 | | m | | m | | 0 | | 0 | 90.0 |
| | from blast injury | | | | | | SE | 0.04 | | 0 | | - | | - | | 0 | | 0 | 0.03 |

Table 5. Instrumentation cylinder pressure-time comparison between calibration shots with no animals and test shots with animals.

| Charge Weight, g | Configur- tion and Test | Maximum Peak Pressure Pmax,kPa | Smoothed Peak Pressure Psm,kPa | Maximum Impulse Imax, kPa*ms | Charge Weight, g | Configur- tion and Test | Maximum Peak Pressure Pmax,kPa | Smoothed Peak Pressure Psm,kPa | Maximum Impulse Imax, kPa*ms |
|---------------------|-------------------------------|---|---|---------------------------------------|---------------------|---|---|---|---------------------------------------|
| | Cylinder a | t 0.91 m fr | om charge | | | Cylinder a | t 0.91 m fr | om charge | |
| 114 | A-1 cal | 315.7 | 77.6 | 1026.8 | 114 | A-1 s01 | 257.2 | 58.1 | 1120.9 |
| 227 | A-1 cal | 529.6 | 137.7 | 2823.1 | 227 | A-1 s01 | 473.9 | 93.1 | 2857.0 |
| 454 | A-1 cal | 832.0 | 165.6 | 3201.1 | 454 | A-1 s01 | 993.0 | 175.9 | 3539.2 |
| 907 | A-1 cal | 1688.3 | 264.0 | 5161.9 | 907 | A-1 s01 | 1906.5 | 272.8 | 5444.5 |
| 114 | A-2 cal | 245.3 | 92.1 | 1112.9 | 114 | A-2 s01 | 293.2 | 96.2 | 1256.5 |
| 227 | A-2 cal | 551.3 | 128.7 | 2146.4 | 227 | A-2 s01 | 669.3 | 119.5 | 2293.2 |
| 454 | A-2 cal | 732.8 | 170.8 | 3711.6 | 454 | A-2 s01 | 740.8 | 161.3 | 3759.3 |
| 907 | A-2 cal | 1293.1 | 236.7 | 5965.3 | 907 | A-2 s01 | 1264.6 | 287.1 | 6153.8 |
| 114 227 | A-3 cal A-3 cal | 224.3 411.2 | 53.7 89.9 | 1173.3 2178.9 | 114 | A-3 s01 | 268.5 | 56.1 82.0 | 1133.0 1965.2 |
| 454 | A-3 cal | 629.1 | 137.3 | 3911.0 | 454 | A-3 s01 A-3 s01 | 373.4 513.7 | 127.4 | 3717.6 |
| 907 | A-3 cal | 1189.5 | 222.4 | 5730.0 | 907 | A-3 s01 | 947.8 | 216.3 | 5909.1 |
| Parameter | | 1107.5 | Linear Reg | | | N-3 301 | Statistics | | 3707.1 |
| | vs. Pmax ca | | y = -23.63 | | | n = 12 | df = 10 | t = 12.158 | p < 0.001 |
| | | • | , | | | _ | n Coefficie | ent = 0.9678 | • |
| | Cylinder a | at 1.22 m | from charge | | T | Cylinder a | | rom charge | |
| 114 | A-4 cal | 171.1 | 72.8 | 1349.9 | 114 | A-4 s01 | 225.4 | 71.9 | 1367.0 |
| 227 | A-4 cal | 233.8 | 100.6 | 2146.6 | 227 | A-4 s01 | 303.6 | 107.1 | 2432.4 |
| 454 | A-4 cal | 503.3 | 164.5 | 3516.8 | 454 | A-4 s01, | 686.8 | 193.4 | 4091.1 |
| 907 | A-4 cal | 868.0 | 241.7 | 5971.3 | 907 | A-4 s01 | 946.8 | 271.8 | 6429.7 |
| 114 | A-6 cal | 602.7 | 128.7 | 1439.6 | 114 | A-6 s01 | 573.7 | 151.2 | 1465.8 |
| 227 | A-6 cal | 1198.5 | 191.7 | 2384.6 | 227 | A-6 s01 | 844.9 | 199.1 | 26 96 .7 |
| 454 | A-6 cal | 2687.4 | 217.6 | 4145.1 | 454 | A-6 s01 | 886.2 | 202.5 | 4451.0 |
| 907 | A-6 cal | 3254.9 | 338.3 | 6314.2 | 907 | A-6 s01 | 1241.4 | 285.5 | 6507.0 |
| Parameter | | | Linear Reg | | | | Statistics | | 0 013 |
| PMBX test | vs. Pmax ca | | y = 426.29 | 97 + 0.2414 | •30X | n = 8 Correlation R ² = 0.67 | | t = 3.5518 ent = 0.8232 | |
| | Cylinder a | t 1 43 m fr | om charge | | T - | | t 1.43 m fr | om charge | |
| 114 | A-5 cal | 277.5 | 89.2 | 1325.0 | 114 | A-5 s01 | 238.6 | 93.9 | 1384.5 |
| 227 | A-5 cal | 355.7 | 137.9 | 2439.7 | 227 | A-5 s01 | 391.6 | 139.4 | 2455.2 |
| 454 | A-5 cal | 746.7 | 221.3 | 3762.8 | 454 | A-5 s01 | 697.7 | 223.5 | 4154.8 |
| 907 | A-5 cal | 1310.8 | 354.3 | 6405.7 | 907 | A-5 s01 | 1460.5 | 344.8 | 6582.9 |
| 114 | A-7 cal | 271.7 | 90.4 | 1473.7 | 114 | A-7 s01 | 232.5 | 87.8 | 1354.3 |
| 227 | A-7 cal | 541.0 | 138.2 | 2519.0 | 227 | A-7 s01 | 550.2 | 143.7 | 2424.2 |
| 454 | A-7 cal | 621.1 | 226.1 | 4426.5 | 454 | A-7 s01 | 706.3 | 239.8 | 4154.7 |
| 907 | A-7 cal | 1109.3 | 344.5 | 6690.5 | 907 | A-7 s01 | 1149.2 | 34 <u>2.6</u> | 7244.3 |
| Parameter | Compared | | Linear Reg | | | | Statistics | | |
| Pmax test | vs. Pmax ca | l | y = -55.93 | 354 + 1.122 | 223x | n = 8 Correlatio | | = 20.9323 ent = 0.9932 | • |
| | | | | | | $R^2 = 0.98$ | 65 | | |
| | et 0.91, 2.0 | 1 and 2.99 | | | Cylinder a | t 0.91, 2.0 | | m from cha | |
| 454 | A-8/5 cal | 2986.9 | 164.5 | 2957.9 | 454 | A-8/5 t6 | 1343.1 | 157.0 | 2994.9 |
| 454 | A-8 cal | 430.6 | 189.7 | 3363.2 | 454 | A-8 t2 | 405.6 | 188.2 | 3620.3 |
| 454 | A-8/4 cal | 457.0 | 183.7 | 3992.8 | 454 | A/84 t5 | 711.9 | 158.6 | 3689.2 |
| 454 | A-8/3 cal | 832.5 | 352.5 | 3659.3 | 454 | A-8/3 t4 | 791.2 | 341.6 | 3961.3 |
| | Compared | | Linear Reg | | | | Statistics | | |
| Pmax test | vs. Pmax ca | ol | y = 459.17 | 89 + 0.300 | 534x | n = 4 Correlatio | df = 2 n Coefficie | t = 3.8797 ent = 0.9395 | • |
| | | | | | | R^2 = 0.88 | 27 | | |

Table 6. Comparison of injury levels in the 4.88 x 3.05 x 2.44-m enclosure with freefield injuries and orientation changes.

| 1771.8 295.3 Separates Artimats exposed right-side-on to 13619 charge deconations in the 4.88 x 3.05 x 2.44 more rectionary Part 37 | Part | RANGE, Pmax, | Psm, | | LW/BW, | SDNOT | PHARYNX, | KX/ | TRACHEA | | GI TRACI | 5 | SOLID AB | | ADJ. SEV. |
|---|--|--------------------|-------|---------|-------------|----------|-----------------|----------|-----------|----------|-------------|----------|----------|--------|-------------|
| Name 1.70 Ekt 56 Mob 19 Ekt 37 St. 66 1.77 Sept 1.14-2.011 152-601 111-22 118-201 126-42 1.77 1.98 1.77 Sept 1.14-2.011 152-601 111-22 111-22 118-201 126-42 1.77 1.98 Sept 1.14-2.011 152-601 111-22 1 | Name 170 Ekt 56 Mob 18 Mob 19 Ekt 37 St. 6 1.45 Remipe 11.46-2.63 Ekt 26-60 Ekt 27 St. 64 Remipe 11.46-2.63 Ekt 26-60 Ekt 11.62 Ekt 11.62 Ekt 11.62 Remipe 11.46-2.63 Ekt 26-60 Ekt 11.62 Ekt 11.62 Ekt 11.62 Remipe 11.62-2.63 Ekt 26-60 Ekt 11.62 Ekt 11.62 Remipe 10.02 Ekt | | 0 | Animals | exposed ri | -side-on | 13619 | 1. | onat ions | ٤ | 4.88 × | \$5 × | | losar | Vague |
| National State 1.0.7 1.0.2 1.0 | State Color State Colo | 1171.8 | 295.3 | Mean | 1.70 | 77 56 | 8 | ĺ | 8 | ٢ | EXT | 2 | | 0 | 4.65 |
| Region 1.14 - 2.45 1.14 - 2.4 | Reging Color Col | | | S | 0.35 | | | 7 | | | | _ | | 83 | 1.11 |
| Range 1.14-2.01 152-60 111-22 118-20 156-43 10-18 12.87-7. 146-20 55. 146-20 146-40 156-50 146-40 156-50 146-40 156-50 146-40 156-50 | Range 11.44-2.01 152-601 111-221 118-201 126-42 101-81 12.87-7. 12.8 | 2 Deaths | | ¥ | 0.16 | - | | 2 | | 0 | | M | | ~ | 0.79 |
| National Sections 1, 16 EMT 44 MOD 19 EMT 31 EMT 34 St. 17 9.99 | Name | 1 | | Range | [1.14-2.01] | [52-60] | | (11-22) | | (18-20) | | [26-42] | | 10-18] | .87-7. |
| 94.0 0.50 9 14 14 6 9 14 2.64 15 6 1 | State Color State Colo | 1131.6 | 485.9 | Mean | 1.61 | | 00 N | 19 | EXT | 31 | EXT | 34 | ٦s | 17 | 6.6 |
| Name | Name | | | ន | 0.50 | ٥ | | 1, | | = | | ø | | 5 | 2.64 |
| Range [1.14.2.45] (6-40] (14-40] (26-39) (4-28) (4-28) (7.55.44) 86.3 Reange 1.14.2.45 136-60] 16-40] (114-40) (16-26) (17.51-4) 2.55 blast \$0.06 HO 10 HO 11 9 4 4 9 1.18 0.78 blast \$0.06 HO 10 HO 11 9 \$1 6 7.55 1.14 0.78 Ba. \$0.06 0.05 5 \$1 9 \$1 1.04 1.14 0.79 1.14 0.79 1.13 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.71 0.71 0.71 0.71 0.71 0.71 0.71 0.72 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.71 0.71 0.71 0.71 0.71 0.72 | Name Color | 5 Deaths | | 쌇 | 0.23 | 7 | | 9 | | 2 | | m | | 2 | 1.18 |
| No. | 88.3 Nean 1.15 Hoo 36 Hoo 199 St 61 Feefield. 88.3 Nean 1.10 Hoo 36 Hoo 199 St 63 Ext 32 TRACE 2 88.3 Nean 1.00 1.00 36 Hoo 199 St 63 Ext 32 TRACE 2 88.3 Nean 1.00 1.00 5 St 1 | ς <u>−</u> υ | | Range | [1.14-2.45] | [36-60] | | [6-40] | | (14-40) | | (26-39) | | [4-28] | • • • |
| 88.3 Nean 1.16 MOD 36 MOD 19 SL 15 EXT 32 TRACE 2 blast SE 0.06 11 1.16 MOD 36 1.17 8 9 4 4 4 1 1 2 2 1 <td> Secondary 1.16 MOD 36 MOD 19 St. 15 EKT 32 TRACE 2 2 1 1 1 1 1 1 1 1</td> <td></td> <td></td> <td>Animals</td> <td>exposed in</td> <td>1</td> <td>tions</td> <td>13619</td> <td></td> <td>tonation</td> <td>٤</td> <td>freefi</td> <td>id.</td> <td></td> <td></td> | Secondary 1.16 MOD 36 MOD 19 St. 15 EKT 32 TRACE 2 2 1 1 1 1 1 1 1 1 | | | Animals | exposed in | 1 | tions | 13619 | | tonation | ٤ | freefi | id. | | |
| Secondary Seco | Second State | 759.2 | 88.3 | Mean | 1.16 | | <u>8</u> | <u>-</u> | ಸ | 5 | EXT | 32 | TRACE | 7 | 2.55 |
| BB.3 Range (1.07-1.21) (12-48) (7-44) (5-24) (24-39) (0-4) (1.04) < | Second State State Color | | | ଌ | 90.0 | = | | 12 | | 80 | | 0 | | ~ | 0.78 |
| Range 1.07-1.21] 121-48] 17-444 15-244 124-39 104-44 111 | Range 1.07-1.21] 121-48] 17-444 15-243 124-39] 10-45 111 111 111 111 112 124-39] 10-45 111 114 115 114 115 114 115 114 115 | Right-side-on to b | last | 쌣 | 0.03 | • | | 6 | | 7 | | 4 | | - | 0.39 |
| National 1.09 Nico 26 St. 9 St. 6 11.3 1.0 1.05 | Second 1.09 MOD 26 St 9 St 8 St 10 TRACE 2 1.13 Sa | 7=u | | Range | [1.07-1.21] | [21-48] | | [7-44] | i | [5-54] | | [54-39] | | [0-4] | [1.47-3.19] |
| Sample Sign Co.04 | State State Color State Stat | 1 | 88.3 | Nean | 1.09 | | 75 | 6 | 25 | 8 | ટ | 10 | TRACE | 2 | 1.13 |
| Range 0.04 3 16-14 10-16 16-16 1 | Range 0.064 3.1 (6.143) (6.144) (6 | | | ક | 90.0 | S | | ٣ | | 7 | | • | | 7 | 0.22 |
| Range (10.99-1.16) (21-33) (6-14) (0-16) (5-18) (5-18) (6-14) (0-16) (5-18) (6-3) (10.86-1) 98.2 Nean (0.95) HOD (0.95) HOD (0.95) HOD (0.95) HOD (0.95) 11 10 5 10.10 5 10.10 5 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 | Name (0.99-1.16) (21-33) (6-14) (0-16) (5-18) (6-16) (5-18) (6-16) | Left-side-on to bl | ast | w | 0.04 | m | | 7 | | m | | ~ | | _ | 0.11 |
| 98.2 Nean of 0.95 (0.09) 400 31 HOD 24 EXT 29 HOD 28 TRACE 2 2.21 SSD 0.09 2 11 5 11 5 3 1.62 0.00 Range (0.81-1.01) (130-33) (16-40) (16-40) (16-40) (124-36) (10-31) (21-20-05) 98.2 (0.81-1.01) (14) 14 2 3 8 6 MOD 22 NEG 0 1.62-05 98.2 (0.02) SSD 0.43 (16-40) | 98.2 Nean 0.95 MOD 31 MOD 24 EXT 29 MOD 28 TRACE 2 2.21 2.21 2.22 2. | 7= U | | Range | Τ. | [21-33] | | [6-14] | | [0-16] | | (5-18) | | [0-3] | [0.86-1.38] |
| SSD 0.09 2 11 5 5 3 2 0.09 SSE 0.05 2 11 5 5 5 3 1 1 0.05 Range 10.11-1.01 (30-33) (16-40) (16-40) (16-40) (24-36) (0-3) (1.12-2.2) 98.2 Nean 1.47 MOD 27 Trace 3 1 6 0.05 0.04 SSE 0.02 7 1 2 6 MOD 22 NEG 0 1.42 177.0 Nean 1.38 EXT 44 Trace 3 1 6 MOD 22 NEG 0 0.04 SD 0.02 1 1 2 5 6 0 0.04 0.04 Range 1.17-0 Mod 35 1 1 2 6 0 0 0 SD 0.012 SD 1 <th< td=""><td> Sign /td><td>788.9</td><td>98.2</td><td>Nean</td><td>0.95</td><td></td><td>Ş</td><td>7,7</td><td>EXT</td><td>62</td><td>8</td><td>28</td><td>TRACE</td><td>2</td><td>2.21</td></th<> | Sign | 788.9 | 98.2 | Nean | 0.95 | | Ş | 7,7 | EXT | 62 | 8 | 28 | TRACE | 2 | 2.21 |
| Name | Range [0.05] 1 5 5 3 1 0.05 98.2 Range [0.81-1.01] (30-33) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-2) (1-12-2) 98.2 Nean 1.47 No. 22 7 1 2 6 0 0.98 127.0 Nean 1.38 EXT 44 Trace 3 SL 6 NEG 0 1.51 127.0 Nean 1.38 EXT 44 Trace 3 SL 6 NEG 0 0.9 Sp 0.02 11 7 12 2 8 0 0.34 Sp 0.02 11 12 NC 3 1 | | | ક્ર | 0.0 | 2 | | = | | 9 | | 2 | | 7 | 0.10 |
| Rânge [10.81-1.01] [30-33] [116-40] [16-40] [16-43] [10-31] [21.12-2. 98.2 Nean 1.47 M00 27 Trace 3 SL 6 M00 22 NEG 0 1.42-2. \$50 0.043 14 2 6 M00 22 NEG 0 0.04-0 \$50 0.02 11 2 M00 22 NEG 0 0.04-0 \$50 0.02 11 0 1 2 M00 22 NEG 0 0.04-0 \$50 0.02 8 0 1 2 M00 22 NEG 0 0.04-0 \$50 0.02 8 0 1 2 MEG 0 0.24-0 0 0.24-0 \$50 0.02 8 0 1 2 MEG 0 0.24-0 0 0.24-0 \$50 0.12 4 5 | Range (10.81-1.01) (30-33) (16-40) (16-40) (24-36) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-40) (16-12) | Face-on to blast | | 썲 | 0.02 | - | | ٧ | | 2 | | ₽ | | - | 0.02 |
| 98.2 Neen 1.47 1.47 MoD 27 Trace 3 SL 6 MOD 22 NEG 0 0 1.40 SSD 0.43 14 2 2 5 12 6 MOD 22 NEG 0 0 1.40 127.0 Rennge 11.19-2.113 118-481 10-41 10-42 6 MOD 22 NEG 0 0 0.049 127.0 Nean 0.02 11 0 1 2 NEG 0 0 1.57-1 SE 0.02 8 0.02 1 2 NEG 0 0 0.24 Range 11.35-1.381 136-52 1.73-1.381 1.25-3 1.20-24 NEG 0 0 0.24 SE 0.12 Nean 1.27 NOD 32 1.10 Trace 3 Neg 0 0 NEG 0 0 0.02 SE 0.12 1.5-1.391 1.28-361 1.5-14 1.0-51 Neg 0 0 0 0.00 49.9 Nean 1.12 1.00 1.00 1.00 1.00 0 0 0 | 98.2 Néën 1.47 MOD 27 Trace 3 SL 6 MOD 22 NEG 0 1.42 SD 0.43 14 7 1 1 2 5 12 0 0.98 Reside [1.19-2.11] [18-43] [0-4] [0-4] [0-12] 6 0.09 0 0.49 0 0.98 127.0 Nésan 1.36 EXT 44 Trace 3 1 2 0 0.24 0 0.34 SSE 0.02 8 0 1 2 NEG 0 0.34 0 0.34 0 0.34 0 0.34 0 0.34 0 0.34 0 0.34 0 0.34 0 0.34 0 0 0.34 0 0 0.34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | n=4 | | Range | • • • | _ | | (16-40) | | [16-40] | | [24-36] | | [0-3] | 12-2. |
| SSD 0.43 14 2 5 12 0 0.98 Range 11.19-2.113 118-481 106-43 106-43 106-12 106-72 15333 106-03 10.79-2 127.0 Nean 1.38 Ext 44 Trace 3 31 6 MOD 22 NIEG 0 1.51 Range 11.36-1.381 136-52 13-33 136-52 13-33 15-63 16-63 16-63 16-70 Range 11.36-1.383 136-52 13-33 13-33 16-63 16-63 16-70 16-70 Range 11.15-1.393 128-36 19-14 19-2 19-64 19-64 19-64 Range 11.15-1.393 128-36 19-14 19-2 10-03 10-03 10-15 SSD 0.11 1 1 2 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 SSD 0.11 1 1 1 2 0 0 0 SSD 0.11 1 1 1 2 0 0 0 SSD 0.11 1 1 1 2 0 0 0 SSD 0.11 1 1 1 2 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 0 SSD 0.11 1 1 1 2 0 0 0 0 0 F-ratio 3.20 9.33 2.34 8.05 10.633 4.69 19.64 19.64 Significance 0.0136 0.0001 0.0001 0.0001 0.0001 0.0001 | SECOLOGIA 14 2 5 12 0 0.98 1.19-2.11 | 788.9 | 98.2 | Mean | 1.47 | | Trace | M | ฬ | 9 | 9 | 22 | NEG | 0 | 1.42 |
| Stange 1.19-2.11 118-48 10-45 10-12 15-33 10-01 10.79-2. 1.38 Ext | Stange 1.19-2.11 | | | જ્ઞ | 0.43 | 2 | | ~ | | \$ | | 12 | | 0 | 96.0 |
| Range [1.19-2.11] [18-48] [10-4] [10-12] [5-33] [10-0] [10.79-2] [10-12] [10 | Near 1.38 Ext | Back-on to blast | | × | 0.22 | _ | | - | | ~ | | 9 | | 0 | 67.0 |
| 127.0 Nean 1.38 EXT 44 Trace 3 SL 66 MOD 22 NEG 0 ES 0 O CO | 127.0 Nean | | | Range | [1.19-2.11] | (18-48) | | [0-4] | | [0-12] | | (5-33) | | [0-0] | 79-2 |
| SD 0.02 11 0 1 3 0 SE 0.02 8 0 1 2 0 0 127.0 Range [1.36-1.38] [36-52] [3-3] [5-6] [20-24] [0-0] [1.0 127.0 Nean 1.27 Mod 32 SL 10 Trace 3 Neg 0 NeG 0 | SE 0.02 11 0 1 3 0 0 SE 0.02 8 0 1 2 2 0 Range [1.36-1.38] [36-52] [3-3] [7-6] [7-6] [20-24] [0-0] [1.0] 127.0 Nean 1.27 MoD 32 SL 10 | 784.0 | 127.0 | Nean | 1.38 | | Trace | 3 | 1S | 9 | 1 00 | 22 | NEG | 0 | 1.51 |
| SE 0.02 8 0 1 2 0 1 2 0 1 1 2 0 1 <td> Second</td> <td></td> <td></td> <td>8</td> <td>0.05</td> <td>-</td> <td></td> <td>0</td> <td></td> <td>-</td> <td></td> <td>м</td> <td></td> <td>0</td> <td>0.34</td> | Second | | | 8 | 0.05 | - | | 0 | | - | | м | | 0 | 0.34 |
| Name | Name 1.36-1.38 136-52 13-31 15-61 120-241 10-01 11. 127 100 32 11 10 11 11 11 11 11 1 | 45degrees right | | ¥ | 0.05 | æ | | 0 | | - | | ~ | | 0 | 0.54 |
| 127.0 | 127.0 | n=2 | | Range | • • | (36-52) | | (3-3) | | [5-6] | | (20-24) | | [0-0] | - 1 |
| SD 0.17 6 6 4 0 0 0 0 SE 0.12 4 5 3 0 0 0 0 49.9 Nearge [1.15-1.39] [28-36] [25-14] (0-5) (0-6) (0-0) (0 0 49.9 Near 0.91 SL 6 Trace 2 Neg 0 NEG 0 blast SE 0.08 1 1 2 0 0 0 0 Range [0.83-0.98] (4-5) (5-6) (5-6) (0-3) (0-0) (0-0) (0-0) F-ratio 3.20 9.33 2.34 8.05 10.63 4.69 0 Significance 0.0136 0.0001 0.0001 0.00019 0.00019 0.00019 | SD 0.17 6 6 4 0 0 0 0 SE 0.12 4 5 3 0 0 0 0 Range [1.15-1.39] [28-36] [15-14] [0-5] [0-0] [0-0] [0-0] 49.9 | 784.0 | 127.0 | Mean | 1.27 | | ಸ | 2 | Trace | m | Neg | 0 | NEG | 0 | 9.0 |
| SE 0.12 4 5 3 0 0 0 49.9 Nean 0.91 (28-36) (28-36) (5-14) (6-5) (6-5) (6-0) | Range (1.15-1.39) (28-36) (15-14) (0-5) (0-0) (0 | | | B | 0.17 | • | | • | | 7 | | 0 | | 0 | 0.13 |
| 49.9 Rean SD No.01 (1.15-1.39) (28-36) (5-14) (0-5) (0-0) | 49.9 Rean of Sample Range of Sample National Color Sample of Samp | 45degrees left | | u | 0.12 | 4 | | 2 | | m | | 0 | | • | 60.0 |
| 49.9 Mean SD 0.011 SL 5 SL 6 Trace 2 Neg 0 NEG 0 0.24 blast SE 0.08 1 1 1 2 0 0.016 1 2 0 0 0.14 Range [0.83-0.98] [4-5] [5-6] Significance 0.0136 0.0001 0. | 49.9 Mean 0.91 SL 5 SL 6 Trace 2 Neg 0 NEG 0 0.24 SD 0.11 1 1 1 2 0.04 1 2 0 0.14 0 0.14 blast SE 0.08 1 1 2 1 2 0.04 1 2 0 0.04 0 0.14 0 0.14 F-ratio Significance 0.0136 0.0001 9.33 2.34 8.05 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 | n=2 | | Range | • • • | [28-36] | | [5-14] | | (0-5) | | (0-0) | | [0-0] | |
| SD 0.11 1 2 0 0 0.14 blast SE 0.08 1 1 2 0 0 0.16 Range [0.83-0.98] (4-5) (5-6) (6-3) (0-3) (0-0) (0-0) (0.16-10-10-10-10-10-10-10-10-10-10-10-10-10- | blast SE 0.08 1 1 2 0 0 0.14 Range [0.83-0.98] [4-5] [5-6] [6-3] [6-3] [6-0] [6-0] [6.16-] F-ratio 3.20 9.33 2.34 8.05 10.63 4.69 19.6 Significance 0.0136 0.0001 0.0528 0.0001 0.0001 0.0019 0.0019 0.001 d Severity of Injury Index (eardrum injury deleted) | 165.8 | 6.67 | Nean | 16.0 | S 1S | SF | 9 | Trace | 2 | Neg | 0 | NEG | 0 | 0.26 |
| blast SE 0.08 1 1 2 0 0 0.10 Range (0.83-0.98) (4-5) (5-6) (6-3) (0-3) (0-0) (0.00) (0.16-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) (0.10-10-10) <t< td=""><td>blast SE 0.08 1 1 2 0 0.16 Range (0.83-0.98) (4-5) (5-6) (6-3) (0-3) (0-0) (0.00) (0.16-16-16-16-16-16-16-16-16-16-16-16-16-1</td><td></td><td></td><td>ક્ર</td><td>0.11</td><td>-</td><td></td><td>-</td><td></td><td>7</td><td></td><td>0</td><td></td><td>0</td><td>0.14</td></t<> | blast SE 0.08 1 1 2 0 0.16 Range (0.83-0.98) (4-5) (5-6) (6-3) (0-3) (0-0) (0.00) (0.16-16-16-16-16-16-16-16-16-16-16-16-16-1 | | | ક્ર | 0.11 | - | | - | | 7 | | 0 | | 0 | 0.14 |
| Range 10.83-0.98) (4-5) (5-6) (5-5) (6-3) (0-0) (0-0) (0-0) F-ratio 3.20 9.33 - 2.34 8.05 10.63 4.69 19.6 Significance 0.0136 0.0001 0.0528 0.0001 0.0001 0.0009 0.0009 | Range [0.83-0.98] [4-5] [5-6] [0-3] [0-3] [0-0] [0.16- F-ratio 3.20 9.33 2.34 8.05 10.63 4.69 19.6 Significance 0.0136 0.0001 0.0528 0.0001 0.0001 0.0019 0.000 d Severity of Injury Index (eardrum injury deleted) | Right-side-on to b | last | 썷 | 80.0 | - | | - | | ~ | | 0 | | 0 | 0.10 |
| F-ratio 3.20 9.33 2.34 8.05 10.63 4.69 5.09 5.09 0.0136 0.0001 0.0528 0.0001 0.0001 0.0019 0.0019 | F-ratio 3.20 9.33 2.34 8.05 10.63 4.69 Significance 0.0136 0.0001 0.0528 0.0001 0.0019 0 d Severity of Injury Index (eardrum injury deleted) 0.0001 0.0001 0.0019 0 | n=2 | | Range | (0.83-0.98) | [4-5] | _ | [5-6] | | [0-3] | | (0-0) | | [0-0] | |
| Significance 0.0136 0.0001 0.0528 0.0001 0.0001 0.0019 | Significance 0.0136 | One-way ANOVA for | | F-ratio | 3.20 | 9.33 | · | 2.34 | | 8.05 | | 10.63 | | 69.7 | 19.60 |
| | *Adjusted Severity of Injury Index (eardrum injury | | Signi | ficance | 0.0136 | 0.0001 | | 0.0528 | | 0.0001 | | 0.0001 | | 0.0019 | 0.0001 |

Changes in injury levels as a function of single or dual charge detonations and location in the 3.05 x 2.44 x 2.44 m enclosure. Table 7.

| ADJ. SEV. | INDEX | | 3.44 | 76.0 | 07.0 | [5.40-4.96] | 9 | 1.17 | 0.25 | 0.15 | [0.89-1.39] | 3 | 2.59* | 1.20 | 69.0 | [1.80-3.97] | 3 | | 0.87 | 0.36 | 0.15 | [0.66-1.47] | 9 | 1.51 | 87.0 | 0.28 | [0.96-1.80] | M | 7.6 | 0.21 | 0.12 | [1.46-1.87] | 3 |
|-----------|----------|--------------------|--------|------|------|-------------|---|--------|----------|------|-------------|---|---------|----------|----------|-------------|---|-------------------------------|----------------|------|------|-------------|-----|----------------|------|------|-------------|----------|----------------|------|------------|-------------|---|
| AB. | ANS | | 8 | 7 | m | [0-18] | 9 | 0 | 0 | 0 | [0-0] | 3 | CE 1 | 7 | - | [0-3] | 3 | | 1 3 | ~ | _ | [0-4] | 9 | . 3 | ~ | - | | ĸ | - | 7 | - | [0-3] | ~ |
| SOLID AB | ORGANS | | SF | | | | | NEG | | | | | TRACE | | | | | | TRACE | | | | | TRACI | | | | | TRACE | | | | |
| ACT | | | 34 | ٥ | 4 | [22-42] | 9 | 17 | 10 | 9 | [6-24] | 3 | 28 | 7 | 4 | [52-36] | 3 | | 6 | • | ~ | (3-20) | 9 | 18 | 9 | • | [7-24] | m | ಬ | 4 | ~ | (20-28) | ~ |
| GI TRACT | | | EXT | | | | | 15 | | | _ | | 90 | | _ | | | | SF | | | | | 15 | | | | | <u>Ş</u> | | | | |
| ΙĒΑ | | | 17 | 12 | Ś | [3-40] | • | 9 | - | 0 | [9-5] | ~ | 14 | 7 | 4 | [4-50] | 3 | | 7 | m | - | (5-12) | • | 15 | ∞ | 4 | [6-20] | M | 5 | 7 | - | [16-20] | - 11 |
| TRACHEA | | | 18 | | | | | 18 | | | | | 75 | | | | | | 1S | | | | | 1 S | | | | i | 8 | | | — | |
| PHARYNX/ | LARYNX | | 77 | 12 | 2 | [16-48] | 9 | 11 | 9 | 4 | (7-18) | 3 | 1, | 9 | М | (7-18) | 3 | | 10 | • | 7 | [6-20] | 6 | 21 | m | 2 | [18-54] | m | 16 | _ | 4 | [8-22] | 3 |
| PHAR | _ | | EXT | | | | | SL | | | | | 1S | | | | | | 1S | | | | | 90 k | | | | | SE | | | | 3 |
| LUNGS | | | 53 | ~ | м | (39-60) | 9 | 21 | 0 | 0 | [21-21] | 3 | 1.7 | ٥ | 2 | [30-48] | 3 | | 15 | 10 | 4 | [3-27] | 9 | 56 | 15 | ٥ | [12-39] | ĸ | 25 | 00 | 9 | [16-36] | |
| | | | EXT | | | | | SL | | | | | EXT | | | | | | SF | | | | | ₩ 9 | | | | | 홅 | | | | 1 08 |
| LW/8W, | × | | 1.68 | 0.17 | 0.07 | [1.44-1.91] | 9 | 1.04 | 0.07 | 0.04 | 10.99-1.123 | 3 | 1.34 | 0.17 | 0.10 | [1.15-1.46] | 3 | | 1.04 | 0.12 | 0.05 | 10.96-1.263 | . 6 | 1.22 | 0.10 | 90.0 | [1.11-1.31] | 23 | 1.16 | 0.0 | 0.05 | [1.06-1.22] | 3 |
| | | | Mean | 8 | W. | Range | £ | Mean | a | 딿 | Range | £ | Mean | B | ## ## | Range | E | | Mean | 8 | 35 | Range | £ | Mean | 8 | 쌣 | Range | E | Hean | 8 | 3 6 | Range | ा र |
| CHARGE | UT., 9 | | 757 | | | | | 2-227 | | | | | 227-454 | | | | | | 757 | | | | | 2-227 | | | | | 227-454 | | | | M. And the state of 1 25 has anotherwise theory |
| EIP | kPa⁻2*ms | 7.5 | 44238 | | | | | 77607 | | | | | 77269 | | | | | 10/2 | 36206 | | | | | 22625 | | | | | 77721 | | | | hac acet |
| 1 | kPa | -9 to A-9/2 | 209.2 | | | | | 164.8 | | | | | 246.3 | | | | | Configurations A-10 to A-10/2 | 159.0 | | | | | 227.9 | | | | | 287.6 | | | | 35 1 35 |
| Pmax, | kPa | Configurations A-9 | 1470.4 | | | | | 592.4 | ~ | | | | 872.3 | ~ | | | | ations A. | 624.8 | | | | | 5.6-1.71 616.2 | | | | | 855.8 | | | | Sip legic |
| RANGE, | ft/m | Configur | 3/0.91 | | | | | 3-9.6/ | .91-2.93 | | | | 3-9.6/ | .91-2.93 | | | | Configur. | 5.6-1.71 624.8 | | | | | 5.6-1.71 | | | | | 5.6-1.71 855.8 | | | | |

Table 8. Peak intrathoracic pressures and maximum chest wall velocities predicted by the "Bowen Single Lung Model" * for the single versus simultaneous dual charge detonations in the $3.05 \times 2.44 \times 2.44$ -m enclosure.

| | | | | Measur | ed | Calc | culated | Ar | nimal Re | esponse | |
|-------------|-----------|-----------|----------|--------|------------|---------------|------------|----------|----------|---------|--------|
| Test | | | Pressure | -time | Parameters | Intrathoracic | Chest Wall | | | Lung | Hem. |
| Descrip- | Charge | Gauge | Pmax, | Psm, | EIP, | Pressure, | velocity, | Į. | Lw/Bw | Distri | bution |
| tion | Weight, g | Number | kPa | kPa | kPa^2*ms | kPa | m/s | S.1. | _ % | Rt. | Lt |
| A-9 | 454 | 1 | 1135.6 | 126.2 | 24025 | 135.4 | 5.7 | | | | |
| 3ft/0.91m | | 2 | 886.1 | 173.6 | 36270 | 309.0 | 6.7 | ì | | | |
| Test 2 | | 4 | 2969.3 | 397.8 | 94045 | 868.6 | 16.7 | | | | |
| 12/4/90 | | Mean | 1663.7 | 232.5 | 51447 | 437.7 | 9.7 | 2.40 | 1.79 | [+++] | [+] |
| Sheep 97 | | SD | 1137.6 | 145.1 | 37396 | 383.2 | 6.1 | <u> </u> | | | |
| A-10 | 227-454 | 1 | 966.0 | 295.8 | 100844 | 429.9 | 10.6 | | | | |
| 3/9.6ft | | 2 | 778.5 | 196.8 | 53694 | 406.8 | 7.5 | I | | | |
| 0.91/2.93m | | 4 | 864.3 | 280.9 | 90660 | 391.4 | 8.4 | 1 | | | |
| Test 3 | | Mean | 869.6 | 257.8 | 81733 | 409.4 | 8.8 | 3.97** | 1.41 | [++] | [+] |
| 1/9/91 | | SD | 93.9 | 53.4 | 24810 | 19.4 | 1.6 | Į. | | | |
| Sheep117 | | | | | | | | <u> </u> | | | |
| A-10/2 | 227-454 | 1 | 795.9 | 230.4 | 69224 | 378.7 | 7.1 | | | | |
| 5.6/5.6ft | | 2 | 568.5 | 312.8 | 74445 | 400.7 | 9.7 | ŀ | | | |
| 1.71/1.71m | | 4 | 1117.7 | 282.9 | 103327 | 933.3 | 11.0 | 1 | | | • |
| Test 5 | | Mean | 827.4 | 275.4 | 82332 | 570.9 | 9.3 | 1.57 | 1.22 | [+] | [+] |
| 1/29/91*** | | SD | 275.9 | 41.7 | 18369 | 314.0 | 2.0 | [| | | |
| Sheep 122 | | | | | | | | | | | |
| One-way And | ova | F-ratio | 1.45 | 0.16 | 1.19 | 0.27 | 0.04 | | | | |
| for 3 grou | ps Sig | nificance | 0.3069 | 0.853 | 1 0.3670 | 0.7721 | 0.9628 | 1 | | | |

^{*} Lung model software furnished courtsey of H. Axelsson, National Defence Research Establishment, Sweden.

^{**} Animal died at 1.25 hrs postexposure, changing the S.I.for the animal from 1.98 to 3.97

^{***} Test occurred 1/16/90, data transferred 1/29/90.

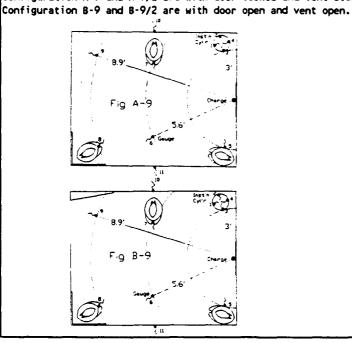
Table 9. Comparison between injury levels in a quasi-static vs nonquasi-static pressure environment.

| | | EIP | | LW/BW, | * sbun1 | Pharynx | - | Trachea * | - | GI Tract | - | Solid Abd'l. | 1: | Adj. Sev. |
|------------------------------|------------|------------|------------------------|--------------|--|----------------------|---------|---------------------|--------------|----------|----------|--------------|--------------------|---------------------|
| TI/III KFB | B L | YLG C III | 454g C-4 Cha | <u> </u> | Detonated in Corner of (| of Chamber With Door | _ | Locked, Vent Closed | Closed | | | 5 | 1 | S |
| 3/0.91 1470.0 | 209.0 | 44238 | Hean |) | | Extensive | _ | Slight 17 | EX. | ensive | 75 | Slight | ~ | 3.44 |
| | | | 80 | 0.17 | Injury 7 | Injury | 12 | Injury 12 | | Injury | • | Injury | 7 | 0.97 |
| | | | SE | 0.07 | M | | ٠ | ٠ <u>٠</u> | | 1 | 7 | | ν ; | 0.40 |
| | | | Range | [11.44-1.91] | [39-60] | | [16-48] | [8-40] | - | [25-45] | (5) | _ | 0-18] | [0-18] [[2.40-4.96] |
| | | | 5 | 9 | 9 | | ø | 9 | + | | <u>,</u> | | • | 9 |
| | | 7007 | , | 3 | | 11:13 | • | 44000 | | 44.5 | | | • | 0 |
| 0.4.0 | 15%.0 | 30200 | Ze se | 3 5 | ci jugits | ough c | 2 \ | | _ | | _ | | - (| 0.0 |
| | | | 8 | 21.0 | UL Anniul | Injury | • | Injury | <u>-</u> | Injury | _ | Injury | 7 | 8 5 |
| | | | | 0.05 | 4 | _ | ~ | _ | _ | ٠ | 7 | | _ | 0.15 |
| | | | Range | [0.96-1.26] | [3-27] | | [6-20] | [5-12] | 2 | Ė | [3-20] | | [] -03 | [0-4] [[0.48-1.47] |
| | | | c | 9 | 9 | | • | 9 | - | | 9 | | ۰ | 9 |
| | | | | | | | _ | | _ | | | | | |
| 8.9/2.71 715.0 | 331.2 | 64450 | Mean | 1.05 | Moderate 32 | Slight | 5 | Slight 10 | | Moderate | 8 | Moderate | 2 | 3.51 |
| | | | 8 | 90.0 | Injury 2 | Injury | 9 | Injury 5 | _ | Injury | <u>_</u> | Injury | 13 | 1.71 |
| | | | SE | 0.03 | _ | | 7 | 2 | _ | | 7 | | 9 | 0.70 |
| | | | Range | 10.94-1.193 | [30-36] | | [7-20] | [7-20] | 6 | Ė | (11-24) | _ | [4-36] | [1.56-5.22] |
| | | | 5 | • | • | : | 9 | 9 | _ | | 9 | | 9 | 9 |
| | | | | | | | | | | | | | | |
| | | | 454g C-4 Ch | | narge Detonated in Corner of Chamber with Door Open, | Chamber wit | th Doo | r Open, Vent Open | Open | | | | | |
| 3/.91 930.4 | 148.3 | 27443 | Mean | 1.62 | Extensive 52 | Moderate | 22 | Slight 17 | - | Moderate | 56 | Trace | 3 | 2.36 |
| | | | 8 | 0.13 | Injury 4 | Injury | • | Injury 2 | _ | Injury | 7 | Injury | ~ | 0.23 |
| | | | 됈 | 0.07 | 7 | | 0 | _ | _ | | _ | | - | 0.13 |
| | | | Range | [1.51-1.76] | [48-56] | | [22-22] | [14-18] | 83 | 154 | [54-58] | | [7-0] | [0-4] [2.14-2.60] |
| | | | ' د | M | • | | 2 | € | | | m | | М | M |
| | | | | | | | | | H | | H | | | |
| 5.6/1.71 685.6 | 134.9 | 20451 | Mean | 1.04 | Slight 17 | Slight | 75 | Slight 8 | | Slight | | Negative | 0 | 0.77 |
| | | | a | 0.15 | Injury 6 | Injury | 2 | Injury | _ | Injury | _ | Injury | 0 | 0.11 |
| | | | ĸ | 0.00 | | | M | | _ | | _ | • | 0 | 0.07 |
| | | | Rande | 10,89-1.041 | [12-14] | | (8-18) | [6-2] | 6 | 5 | [5-6] | | 10-01 | [0.6587] |
| | | |) <u> </u> | ٨ | M | | м | 'n | | • | M | | 8 | M |
| | | | | | | | 1 | | + | | T | | | |
| 8.9/2.71 NoData | Nobata | NoData | Mean | 1.41 | Moderate 34 | "oderate | 17 | Slight 17 | _ | Moderate | 51 | Trace | 4 | 5.65 |
| | | | S | 0.27 | Injury 2 | Injury | 2 | Injury 2 | _ | Injury | - | Injury | _ | 0.0 |
| | | | 35 | 0.15 | | | m | | - | • | _ | | 0 | 0.05 |
| | | | Rande | [11.11-1.62] | [33-36] | | 112-221 | [14-18] | 83 | [18-22] | 22 | | [4-5] | (2.59-2.76) |
| | | | · c | M | m | | ۳ | • | | • | m | | _ | m |
| One-way ANOVA for six groups | r six grou | 86 | F-ratio | 19.69 | 29.5 | 2.59 | H | 2.28 | - | 16.35 | ┝ | 5.68 | | 7.55 |
| | | | Significance | 0.0001 | 0.0001 | 0.0559 | | 0.0837 | | 0.0001 | | 0.0022 | | 0.0005 |
| *pathology score | | **adjusted | **adjusted severity of | | injury index (eardrum injury deleted) | ry deleted) | | | | | | | | |

Table 10. Wall and side-on gauge pressure-time parameters in both quasi-static and nonquasi-static blast overpressure environments in the $3.05 \times 2.44 \times 2.44$ m enclosure.

| | | T | | | | Y | | | | · | | |
|------|----------|----------|---------|----------|--------|-----------|----------|----------|----------|------------------------|----------|----------|
| Gage | Range, | Test | Pmax, | Psm, | lmax, | Test | Pmax, | Psm, | Imax | 1 | Ratios | |
| No. | ft/m | L | kPa | kPa | kPa*ms | L | kPa | kPa | kpa*ms | Pmax | Psm | lmax |
| | | | | ration A | -9 | | Configu | ration B | -9 | A-9 | / 8-9[| G1) |
| 6 | 5.6/1.71 | 11/27/90 | 249.3 | 143.4 | 4492 | 2/4/91 | 260.4 | 114.5 | 1630 | 1.0 | 1.3 | 2.8 |
| 10 | 6.3/1.92 | cal shot | 456.8 | 178.6 | 4357 | cal shot | 581.2 | 220.7 | 1942 | 0.8 | 0.8 | 2.2 |
| 11 | 6.3/1.92 | no | 532.6 | 171.9 | 3674 | no | 610.1 | 177.4 | 935 | 0.9 | 1.0 | 3.9 |
| 9 | 8.9/2.71 | animals | 376.2 | 218.1 | 4149 | animals | 284.8 | 95.9 | 524 | 1.3 | 2.3 | 7.9 |
| | | | Configu | | | | Configu | ration 8 | -9/2 | (A-9/2) | | /2) [G2] |
| 6 | 3/0.91 | 12/5/90 | 1577.1 | 186.4 | 3913 | 1/29/91 | NoData | | NoData | NoData | NoData | NoData |
| 10 | 6.3/1.92 | cal shot | 502.6 | 189.4 | 4291 | cal shot | 559.7 | 238.9 | 1622 | 0.9 | 0.8 | 2.6 |
| 11 | 6.3/1.92 | no | 736.0 | 193.0 | 3522 | no | 836.1 | 172.7 | 1215 | 0.9 | 1.1 | 2.9 |
| 9 | 8.9/2.71 | animals | 422.8 | 212.2 | 4271 | animals | 227.6 | 96.1 | 740 | 1.9 | 2.2 | 5.8 |
| | | | Configu | | | | Configu | ration B | -9 | A-9 |) / B-9[| G33 |
| 6 | 5.6/1.71 | 11/30/90 | 238.2 | 115.5 | 3015 | 2/5/91 | NoData | NoData | NoData | NoData | NoData | NoData |
| 10 | 6.3/1.92 | test 01 | 817.3 | 192.6 | 4070 | test 02 | 448.8 | 243.6 | 2080 | 1.8 | 0.8 | 2.0 |
| 11 | 6.3/1.92 | with | 608.3 | 163.9 | 3586 | with | 624.7 | 161.4 | 1223 | 1.0 | 1.0 | 2.9 |
| 9 | 8.9/2.71 | animals | 474.4 | 231.2 | 4130 | animals | 367.2 | 89.3 | No Data | 1.3 | 2.6 | NoData |
| | | i | | | | l | | | | | [G4] | |
| 6 | 5.6/1.71 | 12/4/90 | 260.2 | 152.8 | 4905 | 2/6/91 | 274.9 | 147.3 | 2061 | 0.9 | 1.0 | 2.4 |
| 10 | 6.3/1.92 | test 02 | 511.0 | 180.0 | 3922 | test 03 | 681.2 | 189.8 | 1742 | 0.8 | 0.9 | 2.3 |
| 11 | 6.3/1.92 | with | 624.2 | 159.2 | 3596 | with | 476.6 | 148.6 | 1136 | 1.3 | 1.1 | 3.2 |
| 9_ | 8.9/2.71 | animals | 409.0 | 220.1 | 4289 | animals | 194.6 | 86.3 | 676 | 2.1 | 2.6 | 6.3 |
| | | | | ration A | | <u> </u> | | ration B | | (A-9/2) / (8-9/2) [G5] | | |
| 6 | 3/0.91 | 12/6/90 | 2045.0 | 209.8 | 5152 | 2/1/91 | 1487.4 | 233.8 | 3119 | 1.4 | 0.9 | 1.7 |
| 10 | 6.3/1.92 | test 03 | 946.3 | 232.8 | 4428 | test 01 | 613.9 | 243.1 | 1888 | 1.5 | 1.0 | 2.3 |
| 11 | 6.3/1.92 | with | 631.3 | 162.5 | 3819 | With | NoData | | NoData | NoData | NoData | NoData |
| 9 | 8.9/2.71 | animals | 474.4 | 233.0 | 4451 | animals | 242.3 | 80.5 | No Data | | 2.9 | NoOata |
| | | | | | | KANOVA fo | | | | | lean Ran | |
| 6 | 3/0.91 | 12/10/90 | 1204.6 | 192.2 | 4275 | 1 | -Value=2 | | p=0.0001 | Pmax | Psm | Imax |
| 10 | 6.3/1.92 | test 04 | 606.4 | 175.3 | 4471 | H-Correct | ed for T | ies= 25. | | 16.0 | 16.1 | 36.9 |
| 11 | 6.3/1.92 | with | 676.4 | 176.6 | 3765 | | | | n= | | 15 | 15 |
| 9 | 8.9/2.71 | animals | 536.2 | 228.5 | 4344 | KANOVA fo | | | | | lean Ran | |
| | | 1 | | | | 3 | -Value=0 | • | =0.8393 | [G1]=12 | | =12 |
| | | 1 | | | | H-Correct | ed for T | ies= 0.0 | 14 | [G4] = 12 | .79 _ ը | =12 |

KANOVA: Kruskal-Wallis analysis of variance for nonparametric data. Configuration A-9 and A-9/2 are with door locked and vent closed.



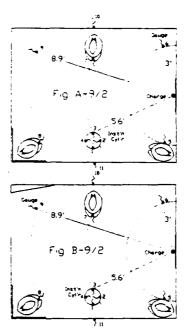


Table 11. Incidence of lung injury as a function of loading density in various structural volumes.

| Enclosure | Enclosure | Charge | Loading | Mean | | | Lung Injury |
|---------------|---------------------------------------|---------|---------------------|------------|--------------------|------------|----------------------------------|
| | Volume: | Weight, | Density, | Lung Wt. % | | Percent | |
| | m^3 | kg | Kg/m ² 3 | of Body Wt | r/n | Incidence | Severity |
| M-47 tank/ | 5.6 | 0.028 | 0.0050 | 0.86 | [0/2] | 0 | Negative |
| Batelle Box | | 0.057 | 0.0102 | 0.81 | [0/4] | 0 | Negative |
| | | 0.113 | 0.0202 | 0.82 | [3/4] | <i>7</i> 5 | Trace to Slight |
| | | 0.227 | 0.0405 | 1.18 | [4/4] | 100 | Slight to Extensive |
| | | 0.454 | 0.0811 | 1.88 | [4/4] | 100 | Extensive (2/4 Deaths) |
| APC | 8.5 | 0.057 | 0.0067 | 0.96 | 10.131 | D | Manatina |
| APC | 0.5 | 0.057 | 0.0087 | 0.95 | [0/2] | 8 | Negative Trace |
| | | 0.113 | 0.0133 | 0.63 | (1/12) (9/10) | 90 | Slight to Extensive |
| | | 0.227 | 0.0287 | 1.63 | [6/6] | 100 | Stignt to extensive Extensive |
| | • | 0.434 | 0.0554 | 1.03 | (0/0) | 100 | CALGIST VE |
| EG&G | 11.3 | 0.113 | 0.0100 | 0.97 | [8/15] | 53 | Trace to Slight |
| Enclosure | | 0.227 | 0.0201 | 1.04 | [14/15] | 93 | Trace to Moderate |
| | | 0.454 | 0.0402 | 1.22 | [15/15] | 100 | Slight to Extensive |
| WT 604 | 12.0 | 0.226 | 0.0189 | 1.14 | 73.443 | 77 | O L Salva |
| MICV | 12.0 | 0.226 | 0.0189 | 1.11 | [2/6] | 33 58 | Slight |
| | | 0.340 | 0.0283 | 1.10 | [7/12] | 56 83 | Slight Slight to Moderate |
| | | 0.434 | 0.0378 | 1.18 | [10/12] [23/23] | 100 | Stight to moderate Moderate |
| | | 0.580 | 0.0567 | 1.46 | [12/12] | 100 | Extensive (5/12 Deaths) |
| | · · · · · · · · · · · · · · · · · · · | 0.000 | 0.0307 | 1.40 | [12/12] | 100 | Extensive ()/ 12 Deaths/ |
| LANL | 18.2 | 0.114 | 0.0063 | 0.91 | [2/18] | 11 | Trace to Slight |
| 8unker/ | | 0.227 | 0.0125 | 0.93 | (15/25) | 60 | Trace to Moderate |
| EG&G | | 2-0.227 | 0.0249 | 1.13 | [6/6] | 100 | Slight to Extensive |
| Enclosure | | 0.454 | 0.0249 | 1.16 | [69/69] | 100 | Trace to Ext (1/69 Deaths) |
| | | 227-454 | 0.0374 | 1.25 | [6/6] | 100 | Slight to Extensive |
| | | 0.907 | 0.0498 | 1.33 | [21/21] | 100 | Slight to Ext (3/21 Deaths) |
| | | 1.361 | 0.0748 | 2.54 | [2/2] | 100 | Extensive (2/2 Deaths) |
| EG&G | 36.3 | 0.057 | 0.0016 | 1.00 | [4/15] | 27 | Trace to Slight |
| Enclosure | 30.3 | 0.037 | 0.0018 | 0.99 | [8/15] | 53 | Trace to Slight |
| LIIC (USGI C | | 0.454 | 0.0031 | 1.02 | [15/15] | 100 | Slight to Moderate |
| | | 0.907 | 0.0250 | 1.15 | (15/15) | 100 | Mod to Ext (1/15 Deaths) |
| | | 1.361 | 0.0275 | 1.55 | [15/15] | 100 | Extensive (10/15 Deaths) |
| | | | 0.03.3 | ''' | ,,,,,,, | | CATOLOGICA (10) 12 Beddild) |

APPENDIX A

CHARGE-TARGET CONFIGURATIONS

$3.05 \times 2.44 \times 2.44 m$

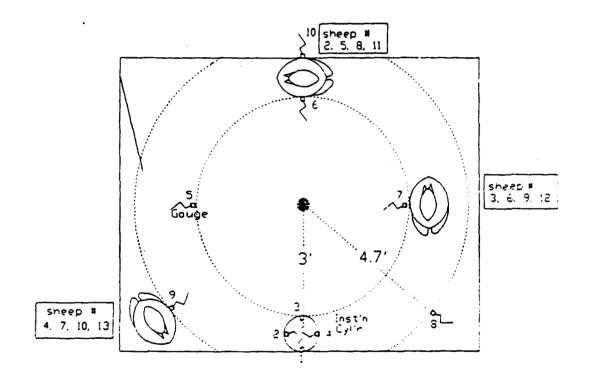


Figure A-1. Overhead view of configuration A-1

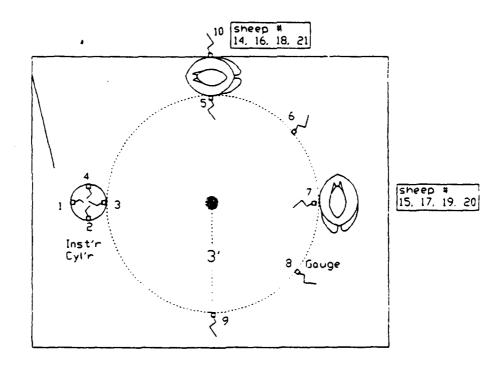


Figure A-2. Overhead view of configuration A-2

3.05 x 2.44 x 2.44 m

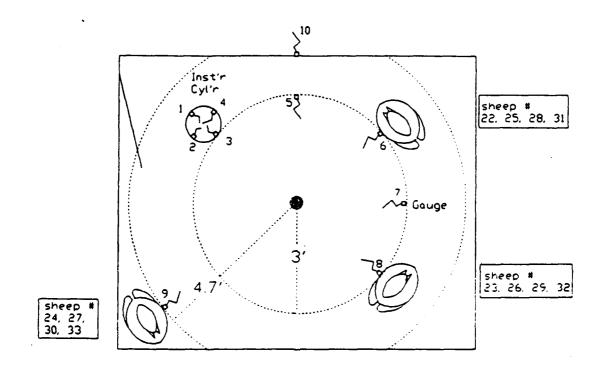


Figure A-3. Overhead view of configuration A-3

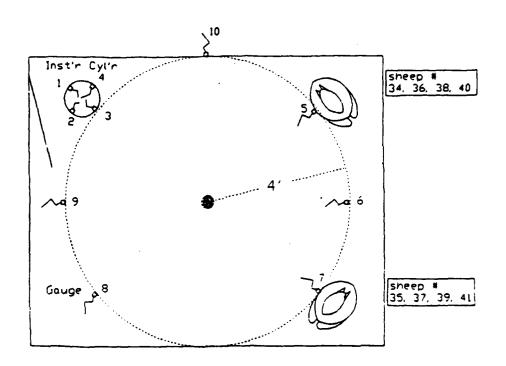


Figure A-4. Overhead view of configuration A-4

3.05 x 2.44 x 2.44 m

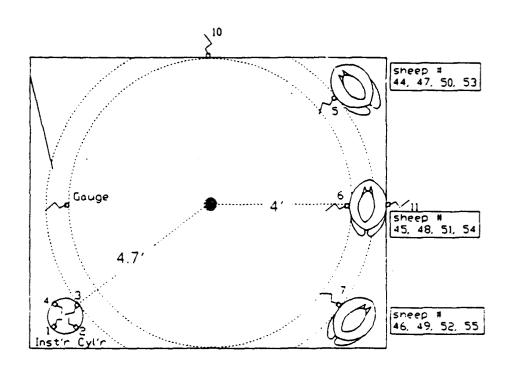


Figure A-5. Overhead view of configuration A-5

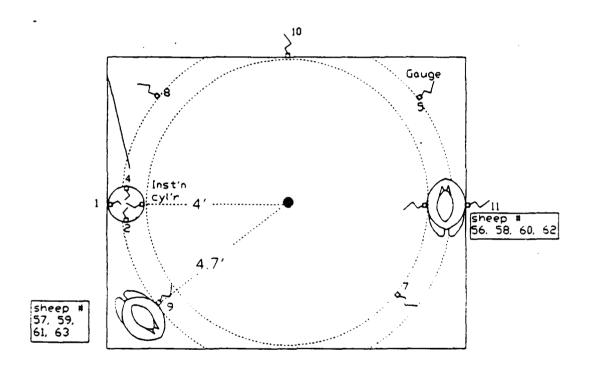


Figure A-6. Overhead view of congiguration A-6

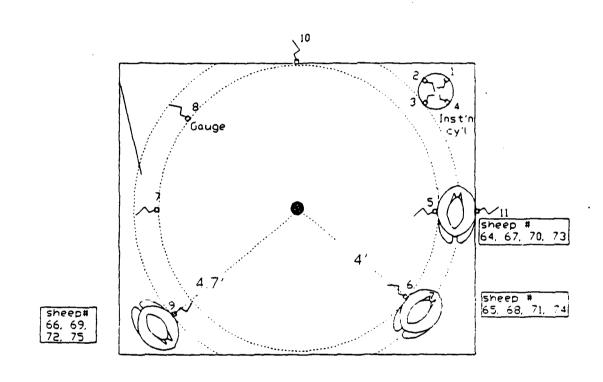


Figure A-7. Overhead view of configuration A-7

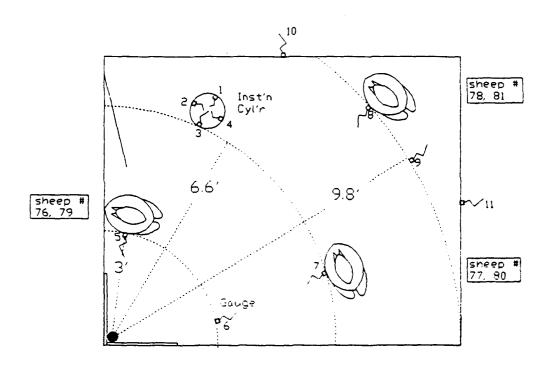


Figure A-8. Overhead view of configuration A-8

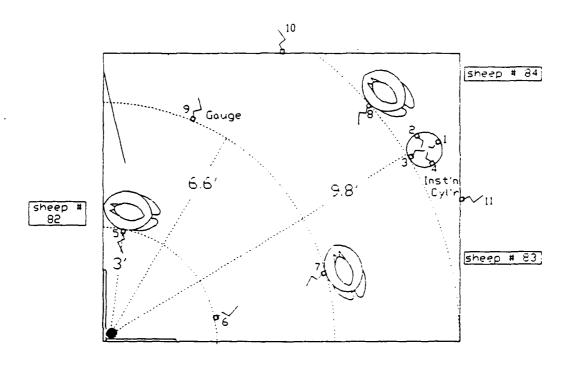


Figure A-9. Overhead view of configuration A-8/2

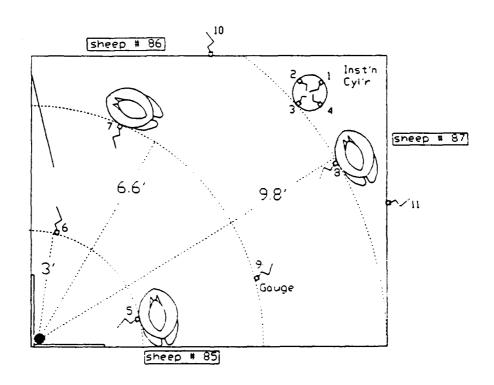


Figure A-10. Overhead view of configuration A-8/3

$3.05 \times 2.44 \times 2.44 m$

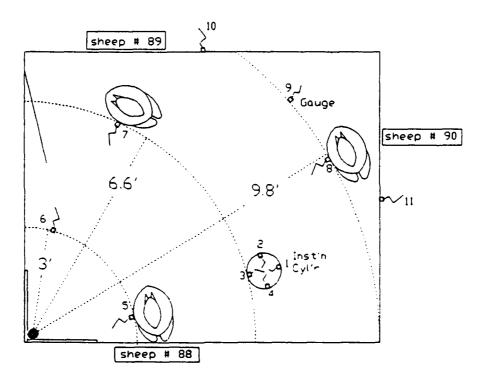


Figure A-11. Overhead view of configuration A-8/4

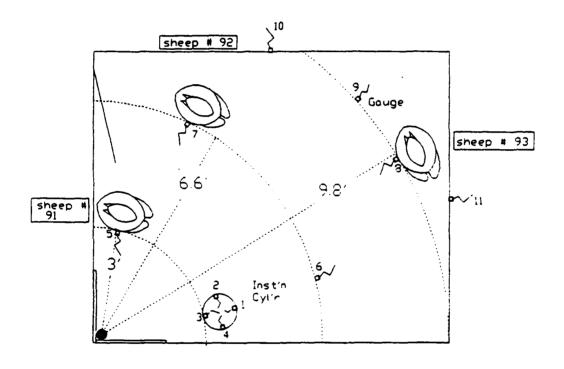


Figure A-12. Overhead view of configuration A-8/5

3.05 x 2.44 x 2.44 m
Enclosure

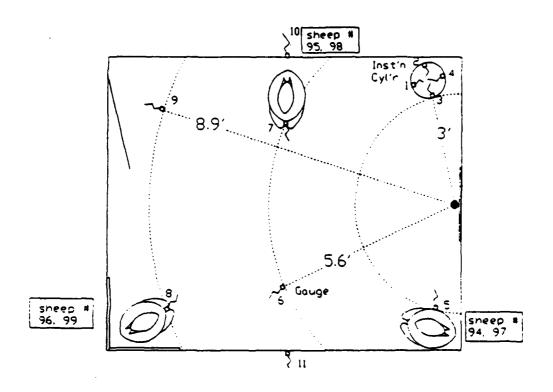


Figure A-13. Overhead view of configuration A-9

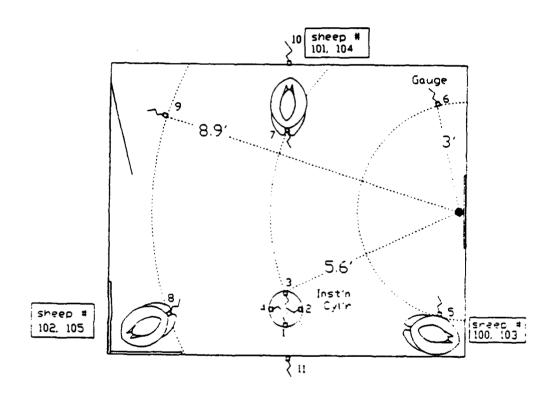


Figure A-14. Overhead view of configuration A-9/2

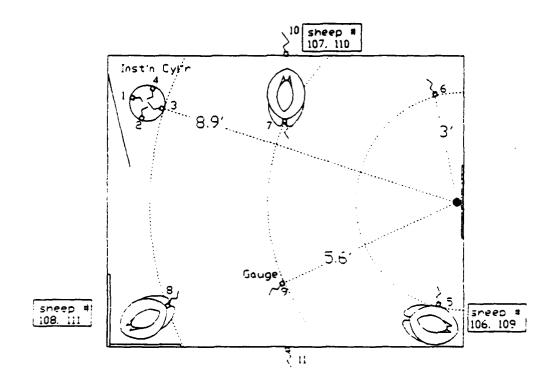


Figure A-15. Overhead view of configuration A-9/3

3.05 x 2.44 x 2.44 m

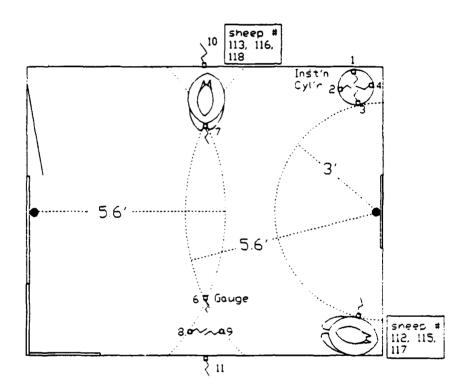


Figure A-16. Overhead view of configuration A-10

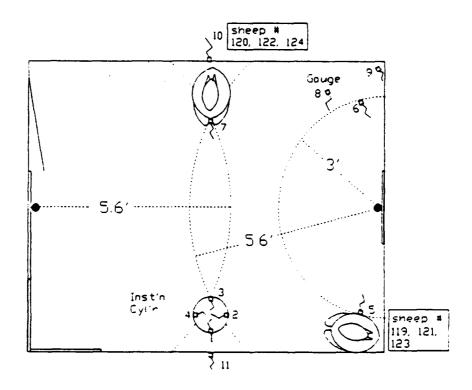


Figure A-17. Overhead view of configuration A-10/2

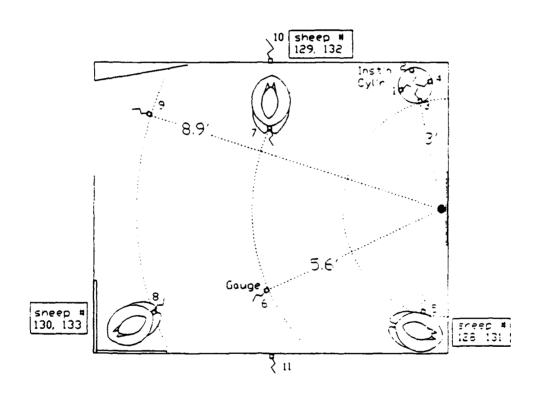


Figure A-18. Overhead view of configuration B-9

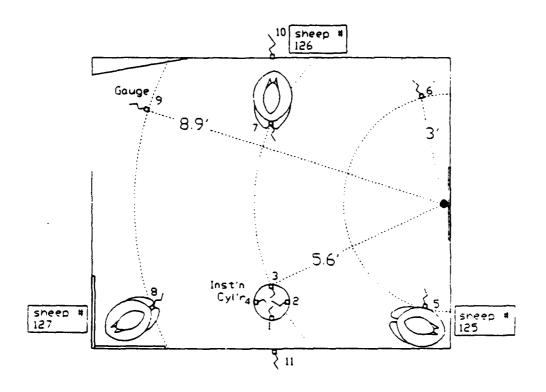


Figure A-19. Overhead view of configuration B-9/2

4.88 x 3.05 x 2.44 m

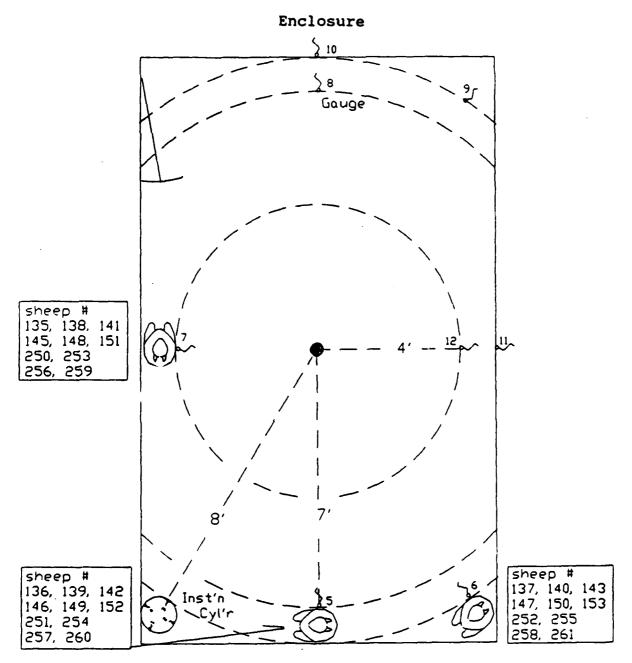


Figure A-20. Overhead view of configuration C-1

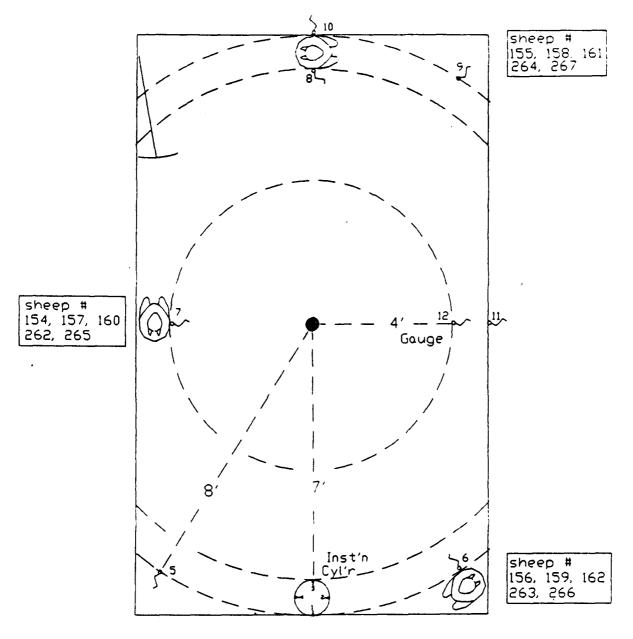


Figure A-21. Overhead view of configuration C-1/2

4.88 x 3.05 x 2.44 m Enclosure

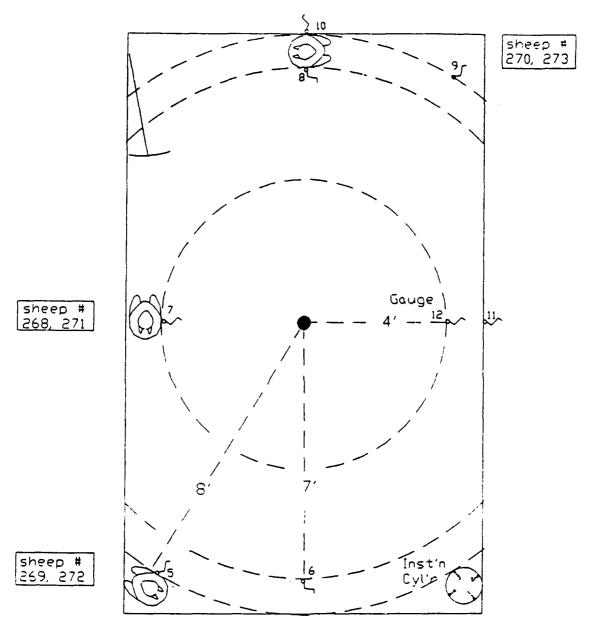


Figure A-22. Overhead view of configuration C-1/3a

4.88 x 3.05 x 2.44 m Enclosure

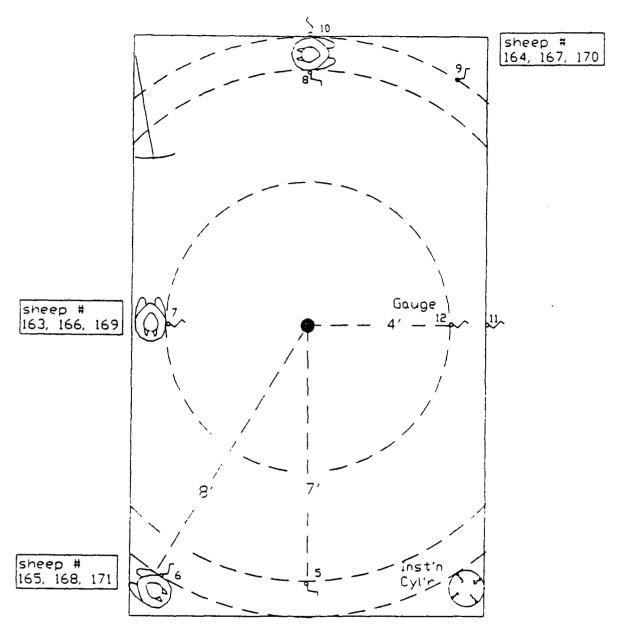


Figure A-23. Overhead view of configuration C-1/3b

4.88 x 3.05 x 2.44 m Enclosure

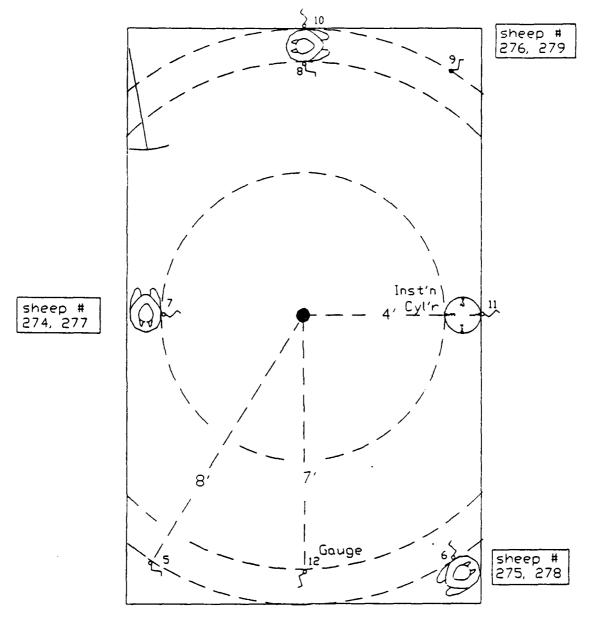


Figure A-24. Overhead view of configuration C-1/4a

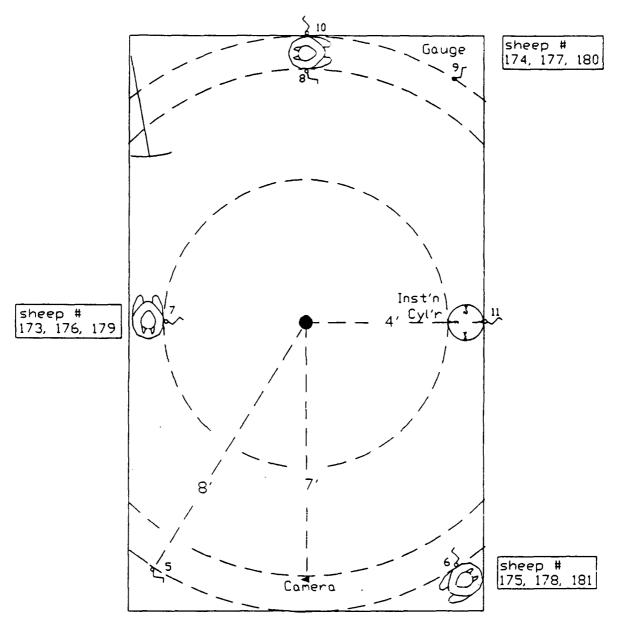


Figure A-25. Overhead view of configuration C-1/4b

3.05 x 1.52 x 2.44 m Enclosure

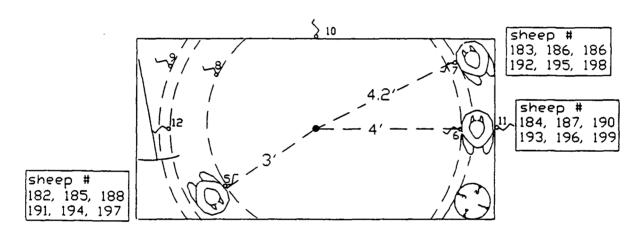


Figure A-26. Overhead view of configuration D-1

$3.05 \times 1.52 \times 2.44 \text{ m}$

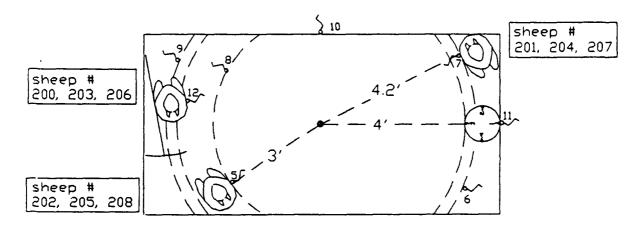


Figure A-27. Overhead view of configuration D-1/2

3.05 x 1.52 x 2.44 m Enclosure

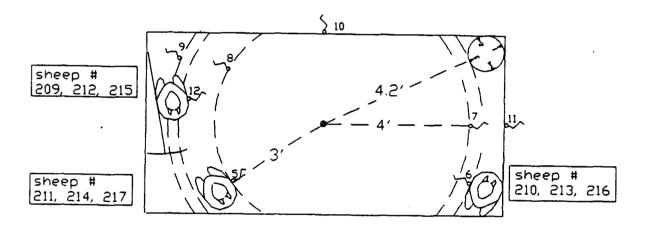


Figure A-28. Overhead view of configuration D-1/3

3.05 x 1.52 x 2.44 m Enclosure

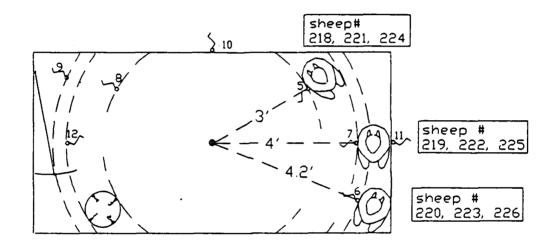


Figure A-29. Overhead view of configuration D-1/4

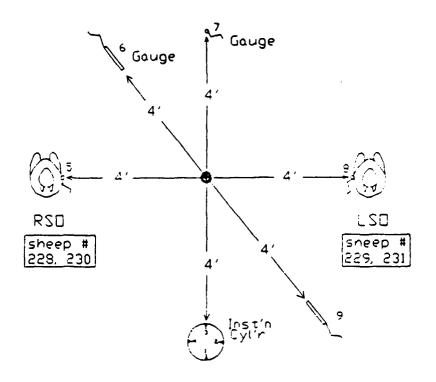


Figure A-30. Overhead view of configuration C-2

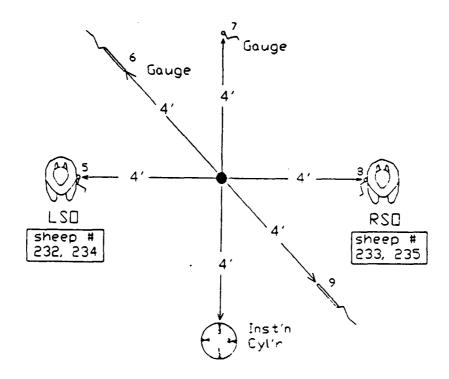


Figure A-31. Overhead view of configuration C-3

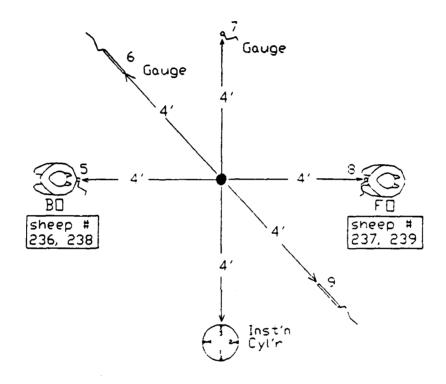


Figure A-32. Overhead view of configuration C-4

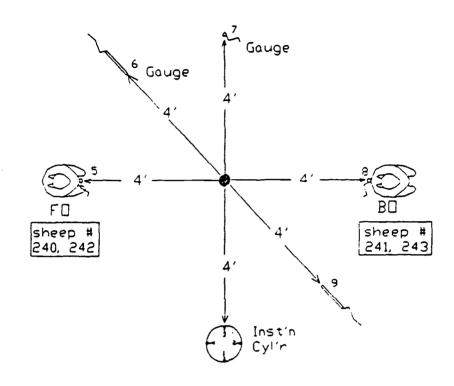


Figure A-33. Overhead view of configuration C-5

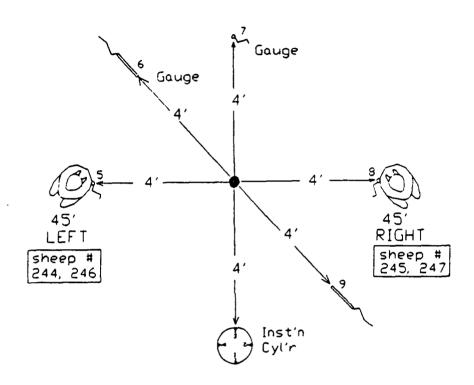


Figure A-34. Overhead view of configuration C-6

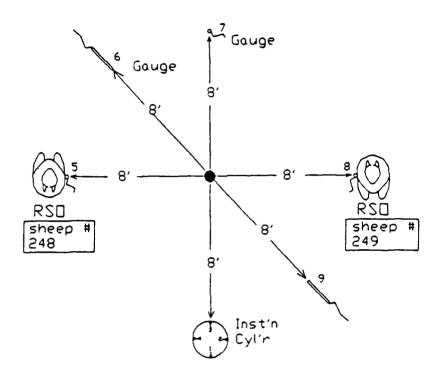


Figure A-35. Overhead view of configuration C-7

APPENDIX B

PRESSURE-TIME DATA

Table B-1. Instrumentation cylinder pressure-time summary at the 3 ft/0.9 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-1. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure e Within 20 | Effective |
|-----------------|---------------------------------------|-----------------|----------------------|---------------------|--------------------|--------------------|-------------------------|---|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | lmax, kPa*ms | Percent P20,kPa | of Peak 120,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 7/30/90 | 114 | 1(BO) | 297.3 | 63.3 | 1197.9 | 75.6 | 3546.9 | 7092.6 |
| S01 | | 2(\$0) | 233.0 | 58.2 | 691.5 | 60.7 | 1403.9 | 3324.6 |
| A-1 | | 3(F0)* | 1108.2 | 86.2 | 416.0 | 1108.2 | NO DATA | 11778.9 |
| | | 4(SO) | 241.2 | 52.7 | 1473.4 | 40.3 | 1977.8 | 4018.1 |
| Mean | | | 257.2 | 58.1 | 1120.9 | 58.9 | 2309.5 | 4811.8 |
| SD | | | 35.0 | 5.3 | 396.6 | 17.7 | 1109.3 | 2005.5 |
| 7/31/90 | 227 | 1(80) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| S01 | | 2(\$0) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| A-1 | | 3(FO)* | 1184.9 | 125.8 | 430.1 | 1184.9 | NO DATA | 22316.3 |
| | | 4(SO) | 473.9 | 93.1 | 2857.0 | 111.6 | 2954.5 | 15325.9 |
| Mean SD | · · · · · · · · · · · · · · · · · · · | | 473.9 | 93.1 | 2857.0 | 111.6 | 2954.5 | 15325.9 |
| 8/1/90 | 454 | 1(BO) | 1126.3 | 208.5 | 3951.9 | 311.5 | 7091.6 | 71508.7 |
| S01 | | 2(\$0) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| A-1 | | 3(FO)* | 4573.6 | 251.2 | 1224.1 | 4573.6 | NO DATA | NO DATA |
| | | 4(SO) | 859.7 | 143.3 | 3126.5 | 228.4 | 3206.3 | 33987.6 |
| Mean | | | 993.0 | 175.9 | 3539.2 | 270.0 | 5149.0 | 52748.2 |
| SD | | | 188.5 | 46.1 | 583.6 | 58.8 | 2747.3 | 26531.4 |
| 8/2/90 | 907 | 1(80) | 2607.1 | 319.2 | 5603.4 | 892.0 | 8235.0 | 204499.3 |
| S01 | | 2(\$0) | NO DATA | NO DATA | ATAC OH | NO DATA | NO DATA | NO DATA |
| A-1 | | 3(FO)* | 5 882. 3 | 359.5 | 8774.9 | 2808.5 | 426.9 | 358452.1 |
| | | 4(SO) | 1205.9 | 226.4 | 5285.5 | 345.8 | 6574.8 | 85894.9 |
| Mean | | | 1906.5 | 272.8 | 5444.5 | 618.9 | 7404.9 | 145197.1 |
| SD | | | 990.8 | 65.6 | 224.8 | 386.2 | 1173.9 | 83866.0 |
| | , | | | | | Charge> | x o | <instrument Cylinder</instrument |
| | gauge number | | ntation | - | | Door> | <u></u> | J |
| 1(80) | Back-on to | | | | | | Fact sauce | |
| 2(SO) | Side-on to | | | | | 0. | Enclosure | A 4 |
| 3(F0)* 4(S0) | Face-on to Side-on to | | | | | Co | nfiguration / | 471 |

Table B-2. Instrumenta: on cylinder pressure-time summary at the 3 ft/0.9 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-2. Shots with sheep in chamber.

| | Charge eight, g 114 | 1(80) 2(50) 3(F0)* 4(S0) 1(80) 2(S0) 3(F0)* 4(S0) | Peak Pressure Pmax, kPa 374.9 202.9 702.7 301.7 293.2 86.3 1115.0 398.3 1176.5 | Peak Pressure Psm,kPa 164.6 55.2 83.5 68.8 96.2 59.6 | Imput se Imax, kPa*ms 1452.3 1045.6 680.8 1271.7 1256.5 203.8 | • | e Within 20 of Peak I20,kPa*ms 4918.3 2329.3 2343.0 3430.0 3559.2 1299.3 | Effective Impulse Power EIP,kPa'2*ms 11933.4 3866.5 8501.2 4540.1 6780.0 4475.7 |
|--|---------------------------|--|---|--|--|---------------------------------------|--|---|
| 8/8/90 8/8/90 S01 A-2 Mean SD 8/9/90 S01 A-2 Mean SD | 227 | 2(SO) 3(FO)* 4(SO) 1(BO) 2(SO) 3(FO)* | 202.9 702.7 301.7 293.2 86.3 1115.0 398.3 1176.5 | 55.2 83.5 68.8 96.2 59.6 | 1045.6 680.8 1271.7 1256.5 203.8 | 54.4 419.3 82.1 85.0 32.2 | 2329.3 2343.0 3430.0 3559.2 1299.3 | 3866.5 8501.2 4540.1 6780.0 4475.7 |
| Mean SD 8/8/90 S01 A-2 Mean SD 8/9/90 S01 A-2 Mean SD SD 8/9/90 S01 A-2 Mean SD | | 3(F0)* 4(S0) 1(B0) 2(S0) 3(F0)* | 702.7 301.7 293.2 86.3 1115.0 398.3 1176.5 | 83.5 68.8 96.2 59.6 | 680.8 1271.7 1256.5 203.8 | 419.3 82.1 85.0 32.2 | 2343.0 3430.0 3559.2 1299.3 | 8501.2 4540.1 6780.0 4475.7 |
| Mean SD 8/8/90 S01 A-2 Mean SD 8/9/90 S01 A-2 Mean SD | | 1(BO) 2(SO) 3(FO)* | 301.7 293.2 86.3 1115.0 398.3 1176.5 | 68.8 96.2 59.6 | 1271.7 1256.5 203.8 | 82.1 85.0 32.2 | 3430.0 3559.2 1299.3 | 4540.1 6780.0 4475.7 |
| 8/8/90 \$01 A-2 Mean \$D 8/9/90 \$01 A-2 Mean \$D | | 1(B0) 2(S0) 3(F0)* | 293.2 86.3 1115.0 398.3 1176.5 | 96.2 59.6 193.9 | 1256.5 203.8 | 85.0 32.2 | 3559.2 1299.3 | 6780.0 4475.7 |
| 8/8/90 \$01 A-2 Mean \$D 8/9/90 \$01 A-2 Mean \$D | | 2(SO) 3(FO)* | 86.3 1115.0 398.3 1176.5 | 59.6 193.9 | 203.8 | 32.2 | 1299.3 | 4475.7 |
| 8/8/90 S01 A-2 Mean SD 8/9/90 S01 A-2 Mean SD | | 2(SO) 3(FO)* | 1115.0 398.3 1176.5 | 193.9 | | | | |
| S01 A-2 Mean SD 8/9/90 S01 A-2 Mean SD | | 2(SO) 3(FO)* | 398.3 1176.5 | | 2463.3 | 378.1 | 8806.0 | 242RN 3 |
| A-2 Mean SD 8/9/90 S01 A-2 Mean SD | | 3(FO)* | 1176.5 | 70.9 | | | ~~~· | £7£60.J |
| Mean SD 8/9/90 S01 A-2 Mean SD | | | | | 1868.7 | 118.7 | 5273.8 | 7492.3 |
| SD 8/9/90 S01 A-2 Mean SD | | 4(\$0) | | 128.5 | 1367.6 | 547.6 | 1329.6 | 24348.0 |
| SD 8/9/90 S01 A-2 Mean SD | | | 494.5 | 93.6 | 2547.5 | 105.0 | 4662.2 | 10757.5 |
| 8/9/90 S01 A-2 Mean SD | ,5, | | 669.3 | 119.5 | 2293.2 | 200.6 | 6247.3 | 14176.7 |
| S01 A-2 Mean SD | ,,, | | 389.0 | 65.5 | 370.0 | 153.9 | 2236.9 | 8901.0 |
| A-2 Mean SD | 454 | 1(80) | 830.1 | 233.8 | 4073.0 | 215.7 | 8244.4 | 53429.0 |
| Mean SD | | 2(SO) | 560.1 | 113.2 | 2749.7 | 169.0 | 6417.2 | 21215.5 |
| SD | | 3(FO)* | 3809.6 | 222.1 | 748.2 | 1765.1 | 268.3 | 95663.5 |
| SD | | 4(SO) | 832.1 | 136.8 | 4455.3 | 195.2 | 7504.4 | 33713.6 |
| | | | 740.8 | 161.3 | 3759.3 | 193.3 | 7388.7 | 36119.4 |
| 3/10/90 | | | 156.5 | 63.9 | 895.0 | 23.4 | 919.1 | 16240.9 |
| | 907 | 1(80) | 1400.5 | 373.0 | 6602.1 | 294.1 | 10548.7 | 142417.4 |
| S01 | | 2(80) | 946.9 | 234.9 | 5719.1 | 280.4 | 10153.5 | <i>7</i> 5260.2 |
| A-2 | | 3(F0)* | 5924.6 | 338.4 | 1069.1 | 2850.8 | 399.1 | 242523.7 |
| | | 4(SO) | 1446.3 | 253.5 | 6140.1 | 381.0 | 7716.8 | 77050.8 |
| Mean | | | 1264.6 | 287.1 | 6153.8 | 318.5 | 9473.0 | 98242.8 |
| SD | | | 276.1 | 74.9 | 441.7 | 54.6 | 1533.7 | 38266.8 |
| | | | | | | | x o | <charge< td=""></charge<> |
| linder gau | | | ntation | | | Door> | <u> </u> | Cylinder |
| | ack-on to | | | | | | Enclosure | |
| | ide-on to | | | | | 0- | | - 3 |
| | ace-on to | | | | | Co | nfiguration A | -2 |

Table 8-3. Instrumentation cylinder pressure-time summary at the 3 ft/0.91 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-3. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | Average to and Impulse | Pressure e Within 20 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|------------------------|-------------------------|-------------------------------|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | Imax, kPa*ms | • | of Peak 120,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 8/15/90 | 114 | 1(80) | 230.1 | 53.3 | 1202.6 | 45.9 | 2277.0 | 3568.9 |
| S01 | | 2(SO) | 331.9 | 58.6 | 1059.3 | 158.8 | 2752.2 | 4756.4 |
| A-3 | | 3(FO)* | 1044.6 | 96.1 | 1023.7 | 1044.6 | NO DATA | 11710.5 |
| | | 4(SO) | 243.4 | 56.5 | 1137.1 | 48.6 | 2325.2 | 3986.1 |
| Mean | | | 268.5 | 56.1 | 1133.0 | 84.4 | 2451.5 | 4103.8 |
| SD | | | 55.3 | 2.7 | 71.7 | 64.4 | 261.6 | 602.4 |
| 8/20/90 | 227 | 1(80) | 297.6 | 94.7 | 2040.4 | 42.5 | 2151.0 | 8956.9 |
| S01 | | 2(80) | 336.8 | 71.3 | 1763.9 | 96.4 | 4263.1 | 9038.3 |
| A-3 | | 3(FO)* | 1169.9 | 115.4 | 1634.1 | 562.7 | 1775.8 | 21525.0 |
| | | 4(SO) | 485.8 | 80.1 | 2091.4 | 112.9 | 3770.2 | 10807.3 |
| Mean | | | 373.4 | 82.0 | 1965.2 | 83.9 | 3394.8 | 9600.8 |
| SD | | | 99.3 | 11.8 | 176.2 | 36.8 | 1105.0 | 1045.6 |
| 8/21/90 | 454 | 1(80) | 529.3 | 157.9 | 4209.0 | 106.7 | 5024.4 | 33516.9 |
| S01 | | 2(SO) | 569.8 | 103.3 | 2699.3 | 178.1 | 6878.0 | 17836.6 |
| A-3 | | 3(FO)* | 5726.8 | 347.3 | 1571.5 | 3407.9 | 640.7 | 158654.2 |
| | | 4(SO) | 442.0 | 120.9 | 4244.6 | 99.9 | 4925.2 | 30219.4 |
| Mean | | | 513.7 | 127.4 | 3717.6 | 128.2 | 5609.2 | 27191.0 |
| SD | | | 65.3 | 27.9 | 882.1 | 43.3 | 1099.9 | 8267.2 |
| 8/22/90 | 907 | 1(80) | 639.6 | 256.9 | 6560.0 | 84.4 | 4307.3 | 94164.6 |
| S01 | | 2(\$0) | 1160.0 | 184.4 | 4148.1 | 492.1 | 6026.8 | 59212.2 |
| A-3 | | 3(FO)* | 5849.5 | 342.1 | 4031.7 | 2743.7 | 395.1 | 212164.7 |
| | | 4(SO) | 1043.7 | 207.6 | 7019.3 | 222.8 | 8062.8 | 91907.8 |
| Mean | | | 947.8 | 216.3 | 5909.1 | 266.4 | 6132.3 | 81761.5 |
| SD | | | 273.1 | 37.0 | 1542.3 | 207.3 | 1880.0 | 19560.9 |
| dinder o | gauge numbers | s and orie | ntation | | Instrument | Cylinder> | , x | <charge< td=""></charge<> |
| 1(BO) | Back-on to | | - | | | • | | |
| 2(SO) | Side-on to | blast | | | | | Enclosure | |
| | | | | | | | nfiguration A | |

* Gauge no.3 not used to calculate mean.

Table 8-4. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-4. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure e Within 20 | Effective |
|-------------|----------------------------|-----------------|----------------------|---------------------|--------------------|--------------|-------------------------|--|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | • | of Peak I20,kPa*ms | Impulse Powe EIP,kPa ² *ms |
| 9/4/90 | 114 | 1(80) | 231,4 | 76.1 | 1529.8 | 59.9 | 2884.2 | 5471.0 |
| S01 | | 2(SO) | 243.1 | 85.1 | 1275.4 | 69.7 | 3362.0 | 5430.1 |
| A-4 | | 3(FO)* | 481.8 | 61.6 | 1215.1 | 207.9 | 2754.5 | 6723.8 |
| | | 4(SO) | 201,7 | 54.4 | 1295.8 | 44.1 | 2123.3 | 3573.7 |
| Mean | | | 225.4 | 71.9 | 1367.0 | 57.9 | 2789.8 | 4824.9 |
| SD | | | 21.3 | 15.8 | 141.4 | 12.9 | 624.7 | 1083.8 |
| 9/5/90 | 227 | 1(80) | 334.5 | 134.0 | 2610.8 | 88.9 | 4300.1 | 15179.3 |
| S01 | | 2(SO) | 261.0 | 108.8 | 2330.2 | 74.7 | 3571.2 | 10995.8 |
| A-4 | | 3(F0)* | 995.9 | 118.5 | 1114.9 | 477.7 | 6589.6 | 13833.5 |
| | | 4(SO) | 315.2 | 78.6 | 2356.3 | <u>73</u> .3 | 3616.8 | 9534.1 |
| Mean | | | 303.6 | 107.1 | 2432.4 | 79.0 | 3829.4 | 11903.1 |
| SD | | | 38.1 | 27.7 | 155.0 | 8.6 | 408.3 | 2929.9 |
| 9/6/90 | 454 | 1(BO) | 433.0 | 242.0 | 4347.5 | 137.3 | 6308.5 | 46438.0 |
| S01 | | 2(\$0) | 441.2 | 172.3 | 4003.8 | 130.0 | 5455.6 | 35251.5 |
| A-4 | | 3(F0)* | 2118.4 | 199.6 | 3475.8 | 2118.4 | NO DATA | 59137.5 |
| | | 4(SO) | 1186.3 | 166.0 | 3921.9 | 369.4 | 8017.2 | 38066.5 |
| Mean | | | 686.8 | 193.4 | 4091.1 | 212.2 | 6593.8 | 39918.7 |
| SD | | | 432.6 | 42.2 | 225.8 | 136.2 | 1304.4 | 5818.7 |
| 9/7/90 | 907 | 1(80) | 692.3 | 344.6 | 7460.3 | 196.5 | 9319.4 | 129786.0 |
| SO1 | | 2(\$0) | 952.4 | 211.2 | 4658.3 | 274.2 | 8774.6 | 59450.4 |
| A-4 | | 3(FO)* | 2890.8 | 313.4 | 6112.4 | 1358.8 | 4065.5 | 144909.7 |
| | | 4(SO) | 1195.8 | 259.6 | 7170.6 | 305.0 | 8512.1 | 101324.9 |
| Mean | | | 946.8 | 271.8 | 6429.7 | 258.6 | 8868.7 | 96853.8 |
| SD | | | 251.8 | 67.5 | 1540.9 | 55.9 | 411.8 | 35380.3 |
| | | | | | | | x | <charge< td=""></charge<> |
| linder (| gauge number Back-on to | | ntation | - | Instrument | Cylinder> | 0/ | <door< td=""></door<> |
| 2(SO) | Side-on to | | | | | | Enclosure | |
| -,, | Face-on to | | | | | | nfiguration A | |

* Gauge no.3 not used to calculate mean.

Table 8-5. Instrumentation cylinder pressure-time summary at the 4.7 ft/1.43 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-5. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | _ | Pressure se Within 20 | Effective |
|----------|-----------------------------|--------|-----------------|------------------|--------------------|---------|--------------------------|---|
| and | Charge | Gauge | Pressure | Pressure | Imax, | | of Peak | Impulse Powe |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 9/13/90 | 114 | 1(BO) | 241.5 | 109.4 | 1513.9 | 70.3 | 3262.8 | 11000.7 |
| S01 | | 2(SO) | 281.9 | 81.7 | 1243.2 | 82.2 | 3899.5 | 6683.2 |
| A-5 | | 3(FO)* | 293.6 | 57.4 | 1283.6 | 63.7 | 3013.2 | 4400.0 |
| | | 4(\$0) | 192.3 | 90.6 | 1396.3 | 46.1 | 2244.8 | 5433.0 |
| Mean | | | 238.6 | 93.9 | 1384.5 | 66.2 | 3135.7 | 7705.6 |
| SD | | | 44.9 | 14.1 | 135.7 | 18.4 | 834.6 | 2921.3 |
| 7/14/90 | 227 | 1(80) | 357.2 | 172.1 | 2762.0 | 88.8 | 4221.2 | 24148.7 |
| S01 | | 2(\$0) | 479.5 | 110.7 | 2236.7 | 156.2 | 5742.8 | 15164.9 |
| A-5 | | 3(F0)* | 633.5 | 98.3 | 2002.7 | 168.0 | 2954.2 | 12460.1 |
| | | 4(SO) | 338.2 | 135.4 | 2366.8 | 71.3 | 3552.4 | 13159.9 |
| Mean | | | 391.6 | 139.4 | 2455.2 | 105.4 | 4505.5 | 17491.2 |
| SD | <u> </u> | | 76.7 | 30.9 | 273.6 | 44.8 | 1122.5 | 5852.1 |
| 7/17/90 | 454 | 1(80) | 717.2 | 291.8 | 4518.8 | 198.2 | 8319.8 | 67853.3 |
| S01 | | 2(SO) | 841.0 | 194.4 | 3768.5 | 284.4 | 9094.0 | 45718.5 |
| A-5 | | 3(FO)* | 1122.8 | 180.5 | 3942.8 | 314.8 | 5707.5 | 46140.2 |
| | | 4(SO) | 534.8 | 184.2 | 4177.1 | 118.7 | 5205.4 | 36005.9 |
| Mean | | | 697.7 | 223.5 | 4154.8 | 200.4 | 7539.7 | 49859.2 |
| SD | | | 154.0 | 59.4 | 375.6 | 82.9 | 2058.3 | 16322.5 |
| 7/18/90 | 907 | 1(80) | 1368.5 | 446.4 | 7414.2 | 417.1 | 10557.0 | 167949.2 |
| S01 | | 2(80) | 1921.8 | 291.0 | 5304.8 | 774.3 | 8993.8 | 117588.2 |
| A-5 | | 3(FO)* | 2698.3 | 333.8 | 6399.8 | 1105.3 | 3240.9 | 151764.4 |
| | | 4(\$0) | 1091.2 | 297.1 | 7029.7 | 273.0 | 6664.3 | 106197.6 |
| Mean | | | 1460.5 | 344.8 | 6582.9 | 488.1 | 8738.4 | 130578.3 |
| SD | | | 422.9 | 88.0 | 1123.4 | 258.1 | 1958.9 | 32861.4 |
| | | | | | | | | |
| | | | | | | | × | <charge< td=""></charge<> |
| | | | | | | | ^ | _ |
| linder (| gauge number: Back-on to | | ntation | | | Door> | / 0 | <instrument Cylinder</instrument |
| 2(SO) | Side-on to | | | | | | Enclosure | 0,111,001 |
| 3(FO)* | Face-on to | | | | | Co | onfiguration A | -5 |
| 4(SO) | Side-on to | | | | | • | gui a c . oii A | - |

Table 8-6. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the 3.05 x 2.44 x 2.44- m enclosure configuration A-6. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | - | Pressure e Within 20 | Effective |
|-------------|-----------------------------|-----------------|----------------------|---------------------|--------------------|--------|-------------------------|---|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | • | of Peak 120,kPa*ms | Impulse Powe EIP,kPa^2*ma |
| 7/25/90 | 114 | 1(80) | 995.2 | 210.9 | 1792.6 | 364.6 | 5334.1 | 37613.5 |
| S01 | | 2(\$0) | 303.9 | 116.2 | 1106.1 | 88.6 | 4294.2 | 7152.8 |
| A-6 | | 3(FO)* | 496.6 | 80.5 | 1230.9 | 140.4 | 4105.8 | 7732.6 |
| | | 4(SO) | 422.1 | 126.6 | 1498.6 | 107.6 | 4469.9 | 10830.6 |
| Mean | | - | 573.7 | 151.2 | 1465.8 | 186.9 | 4699.4 | 18532.3 |
| SD | | | 369.8 | 51.9 | 344.4 | 154.2 | 556.6 | 16626.8 |
| 7/26/90 | 227 | 1(80) | 1387.8 | 281.9 | 3065.4 | 535.9 | 16454.4 | 78335.1 |
| S01 | | 2(SO) | 672.2 | 155.9 | 2438.1 | 219.5 | 6843.0 | 16935.1 |
| A-6 | | 3(FO)* | 891.9 | 107.6 | 1870.8 | 448.1 | 4661.8 | 18152.9 |
| | | 4(SO) | 474.6 | 159.5 | 2586.6 | 120.8 | 5290.6 | 19128.7 |
| Mean | | | 844.9 | 199.1 | 2696.7 | 292.1 | 9529.3 | 38133.0 |
| SD | | | 480.5 | 71.7 | 327.8 | 216.9 | 6047.3 | 34833.3 |
| /27/90 | 454 | 1(80) | 1170.9 | 256.1 | 4518.4 | 293.2 | 14157.0 | 104122.0 |
| S01 | | 2(SO) | 878.6 | 169.9 | 4330.2 | 236.6 | 6323.6 | 36808.8 |
| A-6 | | 3(FO)* | 2083.7 | 180.0 | 1928.9 | 2083.7 | NO DATA | 46930.7 |
| | | 4(SO) | 609.0 | 181.4 | 4504.4 | 147.4 | 7050.1 | 46698.8 |
| Mean | | | 886.2 | 202.5 | 4451.0 | 225.7 | 9176.9 | 62543.2 |
| SD | | ···· | 281.0 | 46.8 | 104.8 | 73.5 | 4328.2 | 36346.3 |
| /28/90 | 907 | 1(80) | 1957.0 | 372.2 | 6722.3 | 654.7 | 21093.3 | 219683.9 |
| S01 | | 2(50) | 786.8 | 243.5 | 5869.3 | 234.4 | 7642.5 | 88171.8 |
| A-6 | | 3(FO)* | 2936.2 | 310.2 | 5680.5 | 1769.1 | 5611.5 | 177678.0 |
| | | 4(SO) | 980.3 | 240.7 | 6929.4 | 265.2 | 8619.0 | 104483.8 |
| Mean | | | 1241.4 | 285.5 | 6507.0 | 384.8 | 12451.6 | 137446.5 |
| SD | | | 627.3 | 75.1 | 561.9 | 234.3 | 7499.8 | 71685.2 |
| | | | | | | | x | <charge< td=""></charge<> |
| linder (| gauge numbers Back-on to | | ntation | • | | Door> | / | <instrument Cylinder</instrument |
| 2(SO) | Side-on to | | | | | | Enclosure | ay (ii wati |
| -1/ | 3.55 50, 10 | | | | | | nfiguration A | |

Table 8-7. Instrumentation cylinder pressure-time summary at the 4.7 ft/1.43 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-7. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | - | Pressure se Within 20 | Effective |
|------------|--------------|------------|-----------------|------------------|--------------------|--------------|--------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | | of Peak | Impulse Powe |
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP,kPa ² *ms |
| 10/2/90 | 114 | 1(80) | 251.5 | 99.7 | 1471.0 | 64.2 | 3067.8 | 7963.0 |
| S01 | | 2(SO) | 264.6 | 67.7 | 1252.2 | 73.8 | 3539.1 | 5549.0 |
| A-7 | | 3(FO)* | 320.9 | 51.7 | 1085.1 | 87.0 | 4157.3 | 4715.7 |
| | | 4(50) | 181.4 | 95.9 | 1339.7 | 39.4 | 1960.3 | 5379.7 |
| Mean | | | 232.5 | 87.8 | 1354.3 | 59.1 | 2855.7 | 6297.2 |
| SD | | | <u>44.7</u> | 17.5 | 110.1 | 17.8 | 810.5 | 1445.1 |
| 10/3/90 | 227 | 1(80) | 778.0 | 183.9 | 2822.0 | 239.1 | 8807.9 | 23872.3 |
| S01 | | 2(\$0) | 516.7 | 97.1 | 1930.5 | 159.8 | 5911.4 | 9987.4 |
| A-7 | | 3(FO)* | 632.4 | 95.2 | 1918.5 | 195.4 | 3171.3 | 12485.8 |
| | | 4(SO) | 355.9 | 150.1 | 2520.1 | 72.4 | 3542.3 | 13551.9 |
| Mean | | | 550.2 | 143.7 | 2424.2 | 157.1 | 6087.2 | 15803.9 |
| SD | | | 213.0 | 43.8 | 453.4 | 83.4 | 2637.2 | 7211.2 |
| 10/4/90 | 454 | 1(BO) | 737.5 | 293.9 | 4624.5 | 226.8 | 8982.4 | 71525.2 |
| S01 | | 2(50) | 851.2 | 202.9 | 3776.5 | 237.7 | 7060.7 | 44532.7 |
| A-7 | | 3(FO)* | 1143.8 | 180.0 | 3775.9 | 400.9 | 5675.7 | 42226.9 |
| | | 4(SO) | 530.1 | 222.7 | 4063.1 | 126.4 | 5718.8 | 38140.1 |
| Mean | | | 706.3 | 239.8 | 4154.7 | 197.0 | 7254.0 | 51399.3 |
| SD | | | 162.8 | 47.9 | 431.4 | 61.4 | 1640.4 | 17720.2 |
| 10/5/90 | 907 | 1(80) | 1019.6 | 440.4 | 7939.4 | 285.5 | 13536.2 | 181317.1 |
| S01 | | 2(50) | 1530.8 | 273.0 | 6521.8 | 513.8 | 12898.8 | 125066.2 |
| A-7 | | 3(FO)* | 2223.8 | 270.8 | 7002.9 | 796.9 | 4624.9 | 134659.4 |
| | | 4(SO) | 897.1 | 314.3 | 7271.7 | 241.1 | 7852.5 | 114816.2 |
| Mean | | | 1149.2 | 342.6 | 7244.3 | 346.8 | 11429.2 | 140399.8 |
| SD | | | 336.1 | 87.2 | 709.2 | 146.3 | 3113.8 | 35804.1 |
| | | | | | | Instrument-> | 0 | |
| | | | | | | Cylinder |] | |
| | | | | | | | × | <charge< td=""></charge<> |
| | auge number: | s and orie | ntation | | | Door> | / | |
| 1(BO) | Back-on to | | | | | | | |
| 2(SO) | Side-on to | | | | | | Enclosure | |
| 3(FO)* | Face-on to | | | | | Co | nfiguration A | -7 |
| 4(SO) | Side-on to | hlast | | | | | | |

Table B-8. Instrumentation cylinder pressure-time summary for various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated in a corner in configurations A-8 through A-8/5. Shots with sheep in the chamber.

| | | | Max i mum | Smoothed | Max i mum | Average | Pressure | |
|--------------|-------------------------|-------------|----------------|---------------|-----------------|----------------|------------------|--|
| Date | | | Peak | Peak | impulse | and Impuls | e Within 2 | Effective |
| and | Charge | Gauge | Pressure | Pressure | lmex, | Percent | of Peak | Impulse Power |
| Test W | eight, g | Number | Pmex, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa'2*ms |
| 11/16/90 | 454 | 1(BO) | 620.4 | 120.5 | 3771.2 | 137.8 | 5002.3 | 26283.1 |
| T6 | 724 | 2(\$0) | 1306.8 | 112.2 | 1727.0 | 547.3 | 790.3 | 19975.1 |
| A-8/5 | | 2(50)* | 2945.4 | 364.1 | 3762.4 | 1049.3 | 1632.7 | 137176.0 |
| 3ft/0.91m | | 4(SO) | 2102.2 | 238.2 | 3486.5 | 630.6 | | |
| - | | 4(30) | 1343.1 | 157.0 | | | 14512.4 | 64731.3 |
| Mean SD | | | 741.6 | | 2994.9 | 438.6 | 6768.3 | 36996.5 |
| 30 | | | 741.0 | 70.5 | 1107.2 | 263.8 | 7029.4 | 24225.2 |
| 10/31/90 | 454 | 1(80) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| T1 | | 2(\$0) | 484.0 | 173.8 | 3026.4 | 158.1 | 7645.8 | 25098.3 |
| A-8 | | 3(FO)* | 769.0 | 252.9 | 3276.4 | 247.1 | 8794.9 | 40884.4 |
| .6ft/2.01m | | 4(50) | 400.4 | 160.0 | 3772.0 | 117.0 | 5741.7 | 26383.5 |
| Mean | | | 442.2 | 166.9 | 3399.2 | 137.6 | 6693.8 | 25740.9 |
| SD | | | 59.1 | 9.8 | 527.2 | 29.1 | 1346.4 | 908.8 |
| | | | | | | | | |
| 11/1/90 | 454 | 1(80) | 444.8 | 246.8 | 4098.4 | 118.2 | 5691.6 | 35727.2 |
| T2 | | 2(SO) | 403.5 | 165.9 | 3118.3 | 123.3 | 5926.3 | 25642.5 |
| A-8 | | 3(FO)* | 1013.3 | 232.4 | 3040.8 | 349.8 | 8615.5 | 39807.4 |
| 5.6ft/2.01m | | 4(50) | 368.6 | 151.8 | 3644.2 | 92.0 | 4587.2 | 23929.0 |
| Mean | | | 405.6 | 188.2 | 3620.3 | 111.2 | 5401.7 | 28432.9 |
| SD | | | 38.1 | 51.3 | 490.5 | 16.8 | 715.1 | 6374.9 |
| 11/14/90 | 454 | 1(80) | 796.9 | 181.1 | 4483.9 | 221.5 | 9419.9 | 42166.9 |
| | 434 | • | | 175.5 | | | 11098.3 | |
| T5 | | 2(SO) | 822.6 | | 2726.1 | 339.2 | | 26337.1 |
| A-8/4 | | 3(FO)* | 1259.0 | 229.0 | 2980.4 | 761.2 | 1138.8 | 42827.4 |
| 6.6ft/2.01 m | • | 4(SO) | 516.1 | 119.2 | 3857.6 | 116.3 | 5313.0 | 22800.4 |
| Mean SD | | | 711.9 170.0 | 158.6 34.2 | 3689.2 890.9 | 225.7 111.5 | 8610.4 2976.4 | 30434.8 10313.0 |
| | | | 170.0 | 34.2 | 0,0., | 111.5 | 2770.4 | 10313.0 |
| 11/12/90 | 454 | 1(BO) | 777.8 | 350.1 | 4571.6 | 190.7 | 7499.9 | 68227.0 |
| T-4 | | 2(50) | 1057.4 | 403.5 | 3371.6 | 339.5 | 16503.5 | 60937.1 |
| A-8/3 | | 3(FO)* | 579.5 | 236.2 | 3294.8 | 171.9 | 8542.6 | 36456.0 |
| .8ft/2.99 m | 1 | 4(50) | 538.3 | 271.3 | 3940.6 | 110.1 | 5456.7 | 43441.2 |
| Mean | | | 791.2 | 341.6 | 3961.3 | 213.4 | 9820.0 | 57535.1 |
| SD | | | 259.8 | 66.5 | 600.3 | 116.4 | 5877.5 | 12738.3_ |
| 44 | | | | | | | | .= |
| 11/7/90 | 907 | 1(80) | 1432.6 | 511.8 | 6571.2 | 483.2 | 15459.2 | 178383.6 |
| T3 | | 2(SO) | 1669.4 | 594.8 | 5066.4 | 530.1 | 11341.7 | 153752.9 |
| A-8/2 | | 3(FO)* | 995.2 | 408.6 | 11180.4 | 242.0 | 11133.2 | 189831.2 |
| .8ft/2.99 m | 1 | 4(SO) | 1409.5 | 550.5 | 7495.8 | 345.5 | 11024.3 | 178606.1 |
| Mean | | | 1503.8 | 552.4 | 6377.8 | 452.9 | 12608.4 | 170247.5 |
| <u> </u> | | | 143.8 | 41.5 | 1226.2 | 95.9 | 2474.0 A-8/2 | 14285.2 |
| nstrumentai | ion Cylin | nder Config | urations A- | 8 to A-8/5 | · o | A-8/3 A-8> | 0 | <a-8 4<br=""><a-8 5<="" td=""></a-8></a-8> |
| ylinder gau | ige number ack-on to | | ntation | | | Door> | /x | <charge< td=""></charge<> |
| | ide-on to | | | | | | Enclosure | |
| | ace-on to | | | | | Cantia | ations A-8 | to A-8/5 |
| | ace-un (O | JUGS L | | | | contigui | arions 4.0 | LU A-0/J |
| | ide-on to | | | | | | | • |

Table B-9. Instrumentation cylinder pressure-time summary for various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated against one wall in configurations A-9 through A-9/3. Shots with sheep in the chamber.

| Date | | | Peak | Peak | impulse | and impule | e Within 20 | Effective |
|--------------|--------------------------|-----------------|------------|----------------|---------|----------------|----------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | imax, | • | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P20, kPa | 120,kPa*ms | EIP, kPa 2 ms |
| | , 9 | NGINE! | rada, kru | ram, kra | Ard Hip | rau, are | IEU, KPO HIS | EIF, AFG & RES |
| 1/30/90 | 454 | 1(80) | 1290.7 | 153.8 | 535.5 | 402.8 | 4312.8 | 29846.8 |
| T-1 | 434 | 2(\$0) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| A-9 | | 3(FO)* | 3038.0 | 297.6 | 1025.3 | 985.7 | 1861.1 | 134055.1 |
| 0.91 m | | 4(SO) | 2540.9 | 403.2 | 4903.9 | 1155.7 | 2570.2 | 102866.5 |
| Hean | | 4(30) | 1277.2 | 185.7 | 1813.1 | 519.5 | 2294.3 | 44237.8 |
| SD | | | 884.0 | 176.4 | 3088.9 | 532.4 | 1232.2 | 51632.7 |
| | | | | 1.0.4 | 3000.7 | 332.4 | 123212 | 3.032.1 |
| 12/4/90 | 454 | 1(80) | 1135.6 | 126.6 | 483.2 | 228.2 | 7948.7 | 24025.5 |
| T-2 | 75.7 | 2(SO) | 886.1 | 173.6 | 2572.2 | 259.6 | 6532.7 | 36270.7 |
| A-9 | | 3(FO)* | 2996.3 | 377.1 | 4717.4 | 1416.2 | 2656.8 | 157243.0 |
| 0.91 m | | 4(SO) | 2969.3 | 397.8 | 3860.0 | 1311.6 | 425.0 | 94045.3 |
| Mean | | ,,,,,, | 1663.7 | 232.7 | 2305.1 | 599.8 | 4968.8 | 51447.2 |
| SD | | | 1137.6 | 144.9 | 1704.2 | 616.6 | 3998.2 | 37395.7 |
| | | | 7137.10 | 144.7 | 1704.2 | 0.0.0 | 3770.2 | 3.373 |
| 12/6/90 | 454 | 1(SO) | 558.7 | 144.4 | 3906.3 | 132.4 | 5892.9 | 32434.8 |
| 1-3 | 434 | 2(50) | 1153.7 | 177.8 | 3812.8 | 666.0 | 3892.0 | 47005.6 |
| A-9/2 | | 3(SO) | 434.8 | 116.3 | 3047.7 | 97.6 | 4450.8 | 18080.0 |
| 1.71 m | | 4(BO) | 504.4 | 188.4 | 3997.5 | 111.0 | 5524.8 | 36599.6 |
| Mean | | 4(50) | 662.9 | 156.7 | 3691.1 | 251.8 | 4940.1 | 33530.0 |
| SD | | | 331.1 | 32.8 | 435.5 | 276.5 | 928.7 | 11984.9 |
| | | | 331.1 | 32.0 | 433.3 | 2,0.5 | 720.1 | 11704.7 |
| 12/10/90 | 454 | 1(SO) | 556.3 | 134.0 | 3815.3 | 168.3 | 7421.6 | 28704.8 |
| T-4 | 434 | 2(50) | 648.3 | 189.9 | 3105.3 | 231.6 | 8407.6 | 33451.1 |
| A-9/2 | | 3(SO) | 534.3 | 111.0 | 2822.8 | 130.1 | 4051.3 | 18586.4 |
| 1.71 m | | 4(BO) | 607.8 | 210.0 | 4973.7 | 163.6 | 8120.6 | 54490.1 |
| Mean | | 4(60) | 586.7 | 161.2 | 3679.3 | 173.4 | 7000.3 | 33808.1 |
| SD | | | 51.3 | 46.4 | 958.7 | 42.4 | 2009.1 | 15117.5 |
| | | | 71.2 | 40.4 | 730.1 | 46.4 | 2007.1 | 15117.5 |
| 12/12/90 | 454 | 1(BO) | 967.3 | 493.6 | 4747.3 | 257.6 | 6837.6 | 98112.8 |
| T-5 | 434 | 2(SO) | 736.7 | 302.5 | 3478.6 | 221.1 | 8092.7 | 50728.7 |
| A-9/3 | | 2(30) 3(FO)* | 292.1 | 189.3 | 3825.0 | 51.5 | 2480.0 | 38914.5 |
| 2.71 m | | 4(SO) | 438.9 | 196.4 | 3947.4 | 112.0 | 4830.9 | 44126.9 |
| Mean | | 4(30) | 714.3 | 330.8 | 4057.8 | 196.9 | 6587.1 | 64322.8 |
| SD | | | 264.9 | 150.6 | 641.5 | 75.8 | 1645.3 | 29448.6 |
| <u> </u> | · | | 204.9 | 130.6 | 041.5 | 73.8 | 1047.3 | 29440.0 |
| 12/13/90 | 454 | 1(80) | 1008.8 | 495.4 | /57/ 7 | 297.0 | 7331.3 | 93983.1 |
| | 434 | | | 495.4 286.7 | 4574.7 | 287.0 | | 42575.9 |
| T-6 | | 2(SO) | 669.2 | | 2933.4 | 205.2 | 7507.8 | |
| A-9/3 | | 3(FO)* | 392.6 | 179.7 | 3508.5 | 96.9 | 4722.1 | 36331.6 57170.8 |
| 2.71 m | | 4(SO) | 469.4 | 212.9 | 4665.7 | 122.9 | 5354.1 | 57170.8 |
| Mean | | | 715.8 | 331.7 | 4057.9 | 205.0 | 6731.1 | 64576.6 |
| SO | | | 272.7 | 146.5 | 974.9 | 82.1 | 1195.7 | 26491.7 |
| | ation Cylin | | | 9 to A-9/3 | ··· o | A-9> A-9/3> | 0 | <charge< td=""></charge<> |
| (BO) | Back-on to | | arcac (OI) | • | | 0001> | <u>'</u> | |
| | | | | | | | Enclosure | |
| (SO) (FO) | Side-on to Face-on to | | | | | Configu | Enclosure rations A-9 (| to A-9/3 |
| | | _,, | | | | Join Igu | A 7 1 | |

Table 8-10. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for two charges detonated simultaneously against opposite walls in configurations A-10 through A-10/2. Shots with sheep in the chamber.

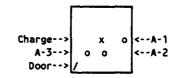
| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure se Within 20 | Effective |
|------------------|----------------------------|------------|-----------------|------------------|--------------------|----------|--------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | • | t of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP, kPa 2*ms |
| | . | | · | , | | - 1 | | |
| 2/20/90 | 2-227 | 1(80) | 619.6 | 173.2 | 4159.5 | 190.6 | 8803.3 | 47409.6 |
| T-1 | | 2(\$0) | 559.4 | 137.8 | 2886.8 | 197.6 | 4970.9 | 31850.5 |
| A-10 | | 3(FO)* | 3019.2 | 268.0 | 4448.2 | 1801.8 | 338.7 | 112235.8 |
| 0.91 m | | 4(SO) | 799.8 | 228.4 | 5386.3 | 183.8 | 6497.7 | 61690.7 |
| Mean | | | 659.6 | 179.8 | 4144.2 | 190.7 | 6757.3 | 46983.6 |
| SD | | | 125.1 | 45.7 | 1249.8 | 6.9 | 1929.3 | 14924.7 |
| | | 4.55 | | 444.4 | | | | |
| 1/8/91 | 2-227 | 1(BO) | 578.8 | 146.9 | 2712.7 | 178.2 | 7113.9 | 36427.7 |
| T-2 | | 2(SO) | 471.3 | 152.9 | 4111.0 | 164.8 | 5885.4 | 33380.5 |
| A-10 | | 3(FO)* | 3001.6 | 270.7 | 4111.7 | 1414.4 | 282.9 | 111209.3 |
| 0.91 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 525.1 | 149.9 | 3411.9 | 171.5 | 6499.7 | 34904.1 |
| SD | | | 76.0 | 4.2 | 988.7 | 9.5 | 868.7 | 2154.7 |
| 1/9/91 | 227-454 | 1(80) | 966.0 | 295.8 | 5369.7 | 309.2 | 13122.0 | 100844.4 |
| T-3 | EE, 434 | 2(\$0) | 778.5 | 196.8 | 4578.5 | 228.2 | 5977.8 | 53693.6 |
| A-10 | | 3(FO)* | 3023.2 | 265.3 | 5468.8 | 1443.1 | 6234.4 | 141786.2 |
| 0.91 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | 4(55) | 872.3 | 246.3 | 4974.1 | 268.7 | 9549.9 | 77269.0 |
| SD | | | 132.6 | 70.0 | 559.5 | 57.3 | 5051.7 | 33340.7 |
| | | | | | | 3 | | |
| /15/91 | 2-227 | 1(\$0) | 991.2 | 350.3 | 4934.2 | 301.7 | 9655.2 | 95859.3 |
| T-4 | | 2(SO) | 389.5 | 177.2 | 4022.2 | 125.9 | 5582.4 | 35676.8 |
| A-10/2 | | 3(SO) | 476.1 | 182.8 | 3863.1 | 140.1 | 6066.4 | 38342.5 |
| 1.71 m | | 4(SO) | 607.8 | 201.4 | 5493.9 | 167.6 | 7301.0 | 54016.3 |
| Mean | | | 616.2 | 227.9 | 4578.4 | 183.8 | 7151.3 | 55973.7 |
| SD | | | 265.7 | 82.2 | 771.5 | 80.5 | 1819.4 | 27794.0 |
| 44.404 | 227 /5/ | 1400) | 705 0 | 270 / | rooo / | 405.0 | 0077 0 | (0334 0 |
| /16/91 | 227-454 | 1(\$0) | 795.9 | 230.4 | 5980.4 | 195.0 | 9073.2 | 69224.0 |
| T-5 | | 2(SO) | 568.5 | 312.8 | 4810.2 | 183.8 | 5624.6 | 74445.9 |
| A-10/2 | | 3(SO) | 584.6 | 196.8 | 4334.4 | 124.2 | 5858.1 | 56145.1 |
| 1.71 m | | 4(SO) | 1117.7 | 282.9 | 6409.2 | 310.3 | 8002.8 | 103327.5 |
| Mean SD | | | 766.7 255.9 | 255.7 52.0 | 5383.6 | 203.3 | 7139.7 1675.4 | 75785.6 |
| 30 | | | 233.9 | 52.0 | 972.6 | 77.8 | 10/5.4 | 19909.4 |
| /25/91 | 227-454 | 1(\$0) | 1076.0 | 219.9 | 5792.7 | 274.1 | 6549.0 | 73562.6 |
| T-6 | | 2(SO) | 622.3 | 356.3 | 5593.7 | 191.1 | 6625.3 | 86474.5 |
| A-10/2 | | 3(80) | 606.0 | 234.2 | 6028.8 | 128.8 | 6283.6 | 78929.8 |
| 1.71 m | | 4(SO) | 1475.1 | 467.4 | 6392.7 | NO DATA | NO DATA | NO DATA |
| Mean | | | 944.9 | 319.5 | 5952.0 | 198.0 | 6486.0 | 79655.6 |
| SD | | | 415.2 | 116.1 | 343.4 | 72.9 | 179.4 | 6486.5 |
| | | | | | | A-10> | о х | <charge< td=""></charge<> |
| strument | ation Cylin | der Config | urations A- | 10 to A-10/ | 2 o | | ۰ | <a-10 2<="" td=""></a-10> |
| linder g (BO) | auge number: Back-on to | | ntation | • | | Door> | / × | <charge< td=""></charge<> |
| (SO) | Side-on to | blast | | | | | Enclosure | |
| (FO) | Face-on to | blast | | | | Configur | ations A-10 ar | vd A-10/2 |

Table B-11. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated against a wall and with the door open in configurations B-9 and B-9/2. Shots with sheep in the chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | _ | Pressure e Within 20 | Effective |
|--------------|----------------------------|------------|-----------------|------------------|--------------------|---------------|-------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax. | - | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P2O,kPa | 120,kPa*ms | EIP,kPa 2*ms |
| 2/5/91 | 454 | 1(80) | 1077.3 | 177.8 | 740.2 | 234.7 | 2809.4 | 37878.1 |
| T-2 | | 2(\$0) | 831.3 | 137.0 | 950.3 | 285.2 | 2910.2 | 18732.8 |
| B-9 | | 3(FO)* | 2996.3 | 389.2 | 29614.3 | 952.1 | 1904.1 | 144356.6 |
| 0.91 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 954.3 | 157.4 | 845.3 | 260.0 | 2859.8 | 28305.5 |
| SO | | | 173.9 | 28.8 | 148.6 | 35.7 | 71.3 | 13537.8 |
| 2/6/91 | 454 | 1(80) | 1032.9 | 152.2 | 1038.6 | 202.6 | 4403.9 | 34031.9 |
| T-3 | ,,,, | 2(50) | 779.9 | 126.2 | 1079.8 | 252.5 | 2624.8 | 19129.8 |
| B-9 | | 3(FO)* | 3038.0 | 395.9 | 1292.3 | 1001.9 | 1995.8 | 138140.8 |
| 0.91 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | • | • • • • | 906.4 | 139.2 | 1059.2 | 227.6 | 3514.4 | 26580.9 |
| SO | | | 178.9 | 18.4 | 29.1 | 35.3 | 1258.0 | 10537.4 |
| 2/1/91 | 454 | 1(80) | 690.2 | 136.0 | 1160.5 | 193.7 | 3875.0 | 21759.8 |
| T-1 | | 2(50) | 936.0 | 171.6 | 962.9 | 403.8 | 2263.1 | 26606.5 |
| B-9/2 | | 3(SO) | 430.7 | 97.0 | 833.7 | 118.2 | 2211.6 | 12986.6 |
| 1.71 m | | 4(BO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 685.6 | 134.9 | 985.7 | 238.6 | 2783.2 | 20451.0 |
| SD | | | 252.7 | 37.3 | 164.6 | 148.0 | 945.8 | 6903.6 |
| | | | | | | 8-9> | о х | <charge< td=""></charge<> |
| strumen | tation Cylind | der Config | urations B- | 9 to B-9/2 | 0 | | ٥ | < 8- 9/2 |
| d familia | | | | | | 0 |], | |
| | gauge number Back-on to | | ons | - | | Door> Open | <i>/</i> | |
| (BO) (SO) | Side-on to | | | | | open | Enclosure | |
| (SO) (FO) | Face-on to | | | | | Configu | rations B-9 ar | wi B ₄ 0/2 |
| (ru) | idce-on to | V: 43 f | | | | com rgui | G. VIIS 0 7 GI | ~ 5 7/6 |

Table B-12. Instrumentation cylinder mean values at the 3 ft/ 0.91 m range in the $3.05 \times 2.44 \times 2.44$ -m enclosure for configurations A-1 through A-3. Shots with sheep in the chamber.

| | | | Maximum Peak | Smoothed Peak | Maximum Impulse | Average and immus | Pressure e Within 20 | Effective |
|---------|---------------------------------------|--------------------|----------------------|----------------------|--------------------|----------------------|-------------------------|---|
| Date | Charge Weight, g | Config- uration | Pressure Pmax,kPa | Pressure Psm, kPa | imax, kPa*ms | • | of Peak I20,kPa*ms | Impulse Power EIP,kPa ² *ms |
| | | | | | | , i | | , |
| 7/30/90 | 114 | A-1 | 257.2 | 58.1 | 1120.9 | 58.9 | 2309.5 | 4811.8 |
| 8/7/90 | | A-2 | 293.2 | 96.2 | 1256.5 | 85.0 | 3559.2 | 6780.0 |
| 8/15/90 | | A-3 | 268.5 | 56.1 | 1133.0 | 84.4 | 2451.5 | 4103.8 |
| Mean | | | 273.0 | 70.1 | 1170.1 | 76.1 | 2773.4 | 5231.9 |
| SD | , | | 18.4 | 22.6 | 75.0 | 14.9 | 684.2 | 1386.7 |
| 7/31/90 | 227 | A-1 | 473.9 | 93.1 | 2857.0 | 111.6 | 2954.5 | 15325.9 |
| 8/8/90 | | A-2 | 669.3 | 119.5 | 2293.2 | 200.6 | 6247.3 | 14176.7 |
| 8/20/90 | | A-3 | 373.4 | 82.0 | 1965.2 | 83.9 | 3394.8 | 9600.8 |
| Mean | | | 505.5 | 98.2 | 2371.8 | 132.0 | 4198.9 | 13034.5 |
| SD | · · · · · · · · · · · · · · · · · · · | | 150.5 | 19.3 | 451.1 | 61.0 | 1787.6 | 3028.6 |
| 8/1/90 | 454 | A-1 | 993.0 | 175.9 | 3539.2 | 270.0 | 5149.0 | 52748.2 |
| 8/9/90 | | A-2 | 740.8 | 161.3 | 3759.3 | 193.3 | 7388.7 | 36119.4 |
| 8/21/90 | | A-3 | 513.7 | 127.4 | 3717.6 | 128.2 | 5609.2 | 27191.0 |
| Mean | | | 749.2 | 154.9 | 3672.0 | 197.2 | 6049.0 | 38686.2 |
| SD | | | 239.8 | 24.9 | 116.9 | 71.0 | 1182.8 | 12970.5 |
| 8/2/90 | 907 | A-1 | 1906.5 | 272.8 | 5444.5 | 618.9 | 7404.9 | 145197.1 |
| 8/10/90 | | A-2 | 1264.6 | 287.1 | 6153.8 | 318.5 | 9473.0 | 98242.8 |
| 8/22/90 | | A-3 | 947.8 | 216.3 | 5909.1 | 266.4 | 6132.3 | 81761.5 |
| Mean | | | 1373.0 | 258.7 | 5835.8 | 401.3 | 7670.1 | 108400.5 |
| SD | | | 488.5 | 37.4 | 360.3 | 190.3 | 1686.1 | 32915.1 |



Enclosure Configurations A-1 to A-3

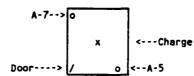
Instrumentation cylinder = 0 Note. Recording site ambient pressure = 83 kPa

Table 8-13. Instrumentation cylinder mean values at the 4 ft/1.22 m range in the 3.05 x 2.44 x 2.44- m enclosure for configurations A-4 and A-6. Shots with sheep in the chamber.

| Date and | Charge | Config- | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | - | Pressure e Within 20 of Peak | Effective Impulse Power |
|-------------|-----------|---------|-----------------------------|------------------------------|-----------------------------|---|------------------------------------|----------------------------|
| Test | Weight, g | uration | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP,kPa'2*ms |
| 9/4/90 | 114 | A-4 | 225.4 | 71.9 | 1367.0 | 57.9 | 2789.8 | 4824.9 |
| 9/25/90 | | A-6 | 573.7 | 151.2 | 1465.8 | 186.9 | 4699.4 | 18532.3 |
| 9/5/90 | 227 | A-4 | 303.6 | 107.1 | 2432.4 | 79.0 | 3829.4 | 11903.1 |
| 9/26/90 | | A-6 | 844.9 | 199.1 | 2696.7 | 292.1 | 9529.3 | 38133.0 |
| 9/6/90 | 454 | A-4 | 686.8 | 193.4 | 4091.1 | 212.2 | 6593.8 | 39918.7 |
| 7/27/90 | | A-6 | 886.2 | 202.6 | 4451.0 | 225.7 | 9176.9 | 62543.2 |
| 9/7/90 | 907 | A-4 | 946.8 | 271.8 | 6429.7 | 258.6 | 8868.7 | 96853.8 |
| 7/28/90 | | A-6 | 1241.4 | 285.5 | 6507.0 | 384.8 | 12451.6 | 137446.5 |
| | | | | A-4> | x o/ o Enclosure | <charge< td=""><td></td><td></td></charge<> | | |

Door Instrumentation cylinder = o Note. Recording site ambient pressure = 83 kPa Table 8-14. Instrumentation cylinder mean values at the 4.7 ft/1.43 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure for configurations A-5 and A-7. Shots with sheep in the chamber.

| Date and | Charge | Config- | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse | and Impuls | Pressure se Within 20 t of Peak | Effective |
|-------------|-----------|---------|-----------------------------|------------------------------|--------------------|------------|---------------------------------------|------------------------------|
| Test | Weight, g | uration | Pmax, kPa | Psm, kPa | imax, kPa*ms | P20,kPa | 120,kPa*ms | Impulse Powe EIP,kPa^2*ms |
| 9/13/90 | 114 | A-5 | 238.6 | 93.9 | 1384.5 | 66.2 | 3135.7 | 7705.6 |
| 10/2/90 | | A-7 | 232.5 | 87.8 | 1354.3 | 59.1 | 2855.7 | 6297.2 |
| Mean | | | 235.6 | 90.9 | 1369.4 | 62.7 | 2995.7 | 7001.4 |
| <u>\$0</u> | | | 4.3 | 4.3 | 21.4 | 5.0 | 198.0 | 995.9 |
| 9/14/90 | 227 | A-5 | 391.6 | 139.4 | 2455.2 | 105.4 | 4505.5 | 17491.2 |
| 10/2/90 | | A-7 | 550.2 | 143.7 | 2424.2 | 157.1 | 6087.2 | 15803.9 |
| Mean | | | 470.9 | 141.6 | 2439.7 | 131.3 | 5296.4 | 16647.6 |
| SD | | | 112.1 | 3.0 | 21.9 | 36.6 | 1118.4 | 1193.1 |
| 9/17/90 | 454 | A-5 | 697.7 | 223.5 | 4154.8 | 200.4 | 7539.7 | 49859.2 |
| 10/4/90 | | A-7 | 706.3 | 239.8 | 4154.7 | 197.0 | 7254.0 | 51399.3 |
| Mean | | | 702.0 | 231.7 | 4154.8 | 198.7 | 7396.9 | 50629.3 |
| SD | | | 6.1 | 11.5 | 0.1 | 2.4 | 202.0 | 1089.0 |
| 9/18/90 | 907 | A-5 | 1460.5 | 344.8 | 6582.9 | 488.1 | 8738.4 | 130578.3 |
| 10/5/90 | | A-7 | 1149.2 | 342.6 | 7244.3 | 346.8 | 11429.2 | 140399.8 |
| Mean | | | 1304.9 | 343.7 | 6913.6 | 417.5 | 10083.8 | 135489.1 |
| SD | | | 220.1 | 1.6 | 467.7 | 99.9 | 1902.7 | 6944.8 |



Enclosure Configurations A-5 and A-7

Instrumentation cylinder = 0 Note. Recording site ambient pressure = 83 kPa

Table 8-15. Instrumentation cylinder pressure-time summary at the 3 ft/0.91 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-1. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure se Within 20 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|---------|--------------------------|---|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | Imax, kPa*ms | | t of Peak I20,kPa*ms | Impulse Power EIP,kPa ² *ms |
| 7/26/90 | 114 | 1(BQ) | 500.4 | 91.8 | 1198.4 | 176.7 | 7569.2 | 14715.4 |
| CAL | | 2(SU) | 170.0 | 63.4 | 573.7 | 60.3 | 2179.6 | 3259.8 |
| A-1 | | 3(FO)* | 1100.3 | 95.2 | 308.7 | 1100.3 | NO DATA | 12613.1 |
| | | 4(SO) | 276.6 | 77.6 | 1308.4 | 54.9 | 2394.3 | 4553.5 |
| Mean | | | 315.7 | 77.6 | 1026.8 | 97.3 | 4047.7 | 7509.6 |
| SD | | | 168.6 | 14.2 | 396.3 | 68.8 | 3051.6 | 6273.9 |
| 7/26/90 | 227 | 1(80) | 770.0 | 171.8 | 2834.0 | 263.7 | 10999.9 | 42671.0 |
| CAL | | 2(SO) | 345.5 | 85.5 | 1033.7 | 106.9 | 2190.6 | 7299.1 |
| 8 | | 3(FO)* | 1184.4 | 126.9 | 723.3 | 1184.4 | NO DATA | 23695.8 |
| | | 4(SO) | 473.4 | 155.9 | 4601.5 | 105.8 | 4770.6 | 26875.9 |
| Mean | | | 529.6 | 137.7 | 2823.1 | 158.8 | 5987.0 | 25615.3 |
| SD | | | 217.8 | 45.9 | 1783.9 | 90.8 | 4528.9 | 17719.6 |
| 7/26/90 | 454 | 1(80) | 1137.2 | 220.0 | 4695.9 | 392.9 | 18471.4 | 91350.8 |
| CAL | | 2(SO) | 539.7 | 123.1 | 1998.0 | 156.4 | 4321.4 | 17937.1 |
| A-1 | | 3(FO)* | 4610.6 | 224.7 | 785.9 | 4610.6 | NO DATA | 106152.7 |
| | | 4(SO) | 819.0 | 153.6 | 2909.4 | 258.0 | 4362.3 | 34276.0 |
| Mean | | | 832.0 | 165.6 | 3201.1 | 269.1 | 9051.7 | 47854.6 |
| SD | | | 299.0 | 49.5 | 1372.4 | 118.6 | 8157.7 | 38544.5 |
| 7/29/90 | 907 | 1(80) | 2744.4 | 363.6 | 5593.9 | 1175.2 | 21345.6 | 258290.0 |
| CAL | | 2(50) | 929.6 | 174.7 | 2574.8 | 281.0 | 6580.0 | 38988.7 |
| A-1 | | 3(FO)* | 3341.6 | 312.0 | 2915.1 | 3341.6 | NO DATA | 150963.0 |
| | | 4(SO) | 1391.0 | 253.7 | 7316.9 | 366.6 | 6855.5 | 110701.3 |
| Mean | | | 1688.3 | 264.0 | 5161.9 | 607.6 | 11593.7 | 135993.3 |
| SD | | | 943.2 | 94.9 | 2400.4 | 493.4 | 8446.5 | 111816.9 |
| libratio | on shot, no a | animals | | | | Charge> | хо | <instrument< td=""></instrument<> |
| | gauge number: | | ntation | | | Door> | / | Cylinder |
| 1(BO) | Back-on to | | | | | | | |
| 2(SO) | Side-on to | | | | | | Enclosure | |
| 3(FO)* | Face-on to | | | | | Co | onfiguration A | - 1 |
| 4(SO) | Side-on to | blast | | | | | | |

Table 8-16. Instrumentation cylinder pressure-time summary at the 3 ft/0.91 m range in the 3.05 x 2.44 x 2.44 m enclosure configuration A-2. No sheep in chamber.

| Date and | Charge | Gauge | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | and impuls | Pressure e Within 20 of Peak | Effective Impu'se Powe |
|-------------|-----------|--------|-----------------------------|------------------------------|-----------------------------|------------|------------------------------------|---------------------------|
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP,kPa 2*ms |
| 3/6/90 | 114 | 1(80) | 289.3 | 155.7 | 1326.9 | 77.5 | 3701.0 | 10398.3 |
| CAL | | 2(\$0) | 169.1 | 44.2 | 697.3 | 60.4 | 2933.5 | 2793.1 |
| A-2 | | 3(FO)* | 990.3 | 89.4 | 415.3 | 597.0 | 1974.7 | 11046.2 |
| | | 4(SO) | 277.6 | 76.3 | 1314.6 | 57.4 | 2852.1 | 5561.2 |
| Mean | | | 245.3 | 92.1 | 1112.9 | 65.1 | 3162.2 | 6250.9 |
| SD | | | 66.3 | 57.4 | 360.0 | 10.8 | 468.4 | 3849.2 |
| 8/6/90 | 227 | 1(BO) | 717.0 | 213.3 | 2835.3 | 167.2 | 7353.5 | 27571.9 |
| ÇAL | | 2(\$0) | 383.5 | 63.9 | 1120.9 | 129.0 | 5716.6 | 6991.2 |
| A-2 | | 3(FO)* | 1175.9 | 121.6 | 637.5 | 606.3 | 3033.9 | 24135.3 |
| | | 4(SO) | 553.3 | 108.9 | 2482.9 | 129.1 | 6309.7 | 11581.7 |
| Mean | | | 551.3 | 128.7 | 2146.4 | 141.8 | 6459.9 | 15381.6 |
| SD | | | 166.8 | 76.6 | 905.4 | 22.0 | 828.7 | 10803.7 |
| 8/6/90 | 454 | 1(80) | 862.4 | 280.1 | 4751.3 | 240.4 | 10329.6 | 68605.2 |
| CAL | | 2(50) | 511.0 | 78.7 | 1327.9 | 163.1 | 7808.2 | 13781.5 |
| A-2 | | 3(FO)* | 5625.8 | 245.9 | 1193.7 | 5625.8 | NO DATA | 139015.5 |
| | | 4(50) | 825.1 | 153.6 | 5055.6 | 224.9 | 8671.0 | 42095.6 |
| Mean | | | 732.8 | 170.8 | 3711.6 | 209.5 | 8936.3 | 41494.1 |
| SD | | | 193.0 | 101.8 | 2069.9 | 40.9 | 1281.5 | 27416.8 |
| 8/6/90 | 907 | 1(80) | 1422.0 | 311.1 | 7227.0 | 429.9 | 13778.8 | 133301.3 |
| CAL | | 2(50) | 1111.3 | 185.1 | 4633.8 | 302.9 | 8638.5 | 55177.4 |
| A-2 | | 3(FO)* | 5921.9 | 404.5 | 13879.3 | 2115.0 | 3891.6 | 481134.2 |
| | | 4(SO) | 1345.9 | 213.9 | 6035.0 | 341.6 | 5740.3 | 71079.8 |
| Mean | | | 1293.1 | 236.7 | 5965.3 | 358.1 | 9385.9 | 86519.5 |
| SD | | | 161.9 | 66.0 | 1298.0 | 65.1 | 4071.0 | 41287.1 |

| Cylinder | gauge numbers and orientation | Door> / | x o | <charge <instrument Cylinder</instrument </charge |
|----------|----------------------------------|-------------------------|------------|--|
| 1(BO) | Back-on to blast | | | • |
| 2(SO) | Side-on to blast | Encl | losure | |
| 3(FO)* | Face-on to blast | Configu | uration A | 1-2 |
| 4(SO) | Side-on to blast | | | |
| * Gauge | no.3 not used to calculate mean. | Note. Recording site an | mibient pr | essure = 83 kPa |

Table 8-17. Instrumentation cylinder pressure-time summary at the 3 ft /0.91 m range in the 3.05 x 2.44 x 2.44- m enclosure configuration A-3. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure se Within 20 | Effective |
|----------|--------------|------------|-----------------|------------------|--------------------|-----------|--------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | • | t of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa 2*ms |
| 8/14/90 | 114 | 1(80) | 221.3 | 59.7 | 1199.0 | 43.5 | 2200.6 | 3784.5 |
| CAL | | 2(SO) | 219.8 | 47.0 | 940.0 | 66.3 | 3244.2 | 3309.6 |
| A-3 | | 3(F0)* | 1019.5 | 135.8 | 555.0 | 1019.5 | NO DATA | 19405.0 |
| | | 4(SO) | 231.7 | 54.5 | 1380.8 | 39.6 | 1884.5 | 4322.5 |
| Mean | | | 224.3 | 53.7 | 1173.3 | 49.8 | 2443.1 | 3805.5 |
| SD | | | 6.5 | 6.4 | 221.5 | 14.4 | 711.5 | 506.8 |
| 3/14/90 | 227 | 1(80) | 521.3 | 103.8 | 2364.7 | 117.2 | 5944.2 | 11041.9 |
| CAL | | 2(50) | 346.5 | 79.7 | 1913.9 | 101.8 | 4581.4 | 8713.6 |
| A-3 | | 3(FO)* | 1161.6 | 137.4 | 5743.6 | 474.2 | 4048.0 | 45379.0 |
| | | 4(SO) | 365.8 | 86.1 | 2258.0 | 86.8 | 4279.3 | 11329.2 |
| MEAN | | | 411.2 | 89.9 | 2178.9 | 101.9 | 4935.0 | 10361.6 |
| SD | | | 95.8 | 12.5 | 235.6 | 15.2 | 887.0 | 1434.4 |
| 3/14/90 | 454 | 1(80) | 478.5 | 173.9 | 4252.8 | 113.7 | 5448.8 | 34698.8 |
| CAL | | 2(80) | 580.7 | 118.8 | 3155.5 | 179.4 | 6884.3 | 22908.8 |
| A-3 | | 3(FO)* | 3593.3 | 242.9 | 338.4 | 2130.9 | 400.6 | 71253.6 |
| | | 4(SO) | 828.0 | 119.2 | 4324.8 | 227.6 | 6620.7 | 31845.1 |
| Mean | | | 629.1 | 137.3 | 3911.0 | 173.6 | 6317.9 | 29817.6 |
| SD | · | | 179.7 | 31.7 | 655.3 | 57.2 | 764.1 | 6151.0 |
| 3/14/93 | 907 | 1(80) | 1283.2 | 260.9 | 6436.8 | 230.7 | 7575.2 | 97269.1 |
| CAL | | 2(SO) | 1051.1 | 206.1 | 4121.6 | 332.1 | 9385.1 | 61269.7 |
| A-3 | | 3(FO)* | 5849.5 | 496.2 | 10298.2 | 3509.7 | 561.6 | 381520.2 |
| | | 4(SO) | 1234.3 | 200.1 | 6631.6 | 278.2 | 6998.1 | 85800.7 |
| Mean | | | 1189.5 | 222.4 | 5730.0 | 280.3 | 7986.1 | 81446.5 |
| SD | | | 122.4 | 33.5 | 1396.3 | 50.7 | 1245.4 | 18390.4 |
| | | | | | Instrument | Cylinder> | × | <charge< td=""></charge<> |
| linder (| gauge number | s and orie | entation | | THE CHIRTIE | Door> | 1, | |
| 1(80) | Back-on to | | | | | | <u> </u> | l |
| 2(SO) | Side-on to | | | | | | Enclosure | |
| 3(F0)* | Face-on to | | | | | Co | onfiguration A | -3 |
| 4(SO) | Side-on to | | | | | | • | |
| Gauge | no.3 not us | | | | Note. | | | essure = 83 kP |

Table B-18. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-4. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | - | Pressure se Within 20 | Effective |
|-----------------|--------------------------|-----------------|----------------------|---------------------|--------------------|--------------|--------------------------|-------------------------------|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | Imax, kPa*ms | • | of Peak I20,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 8/27/90 | 114 | 1(80) | 171.2 | 82.6 | 1606.1 | 46.2 | 2282.5 | 5687.2 |
| CAL | | 2(SO) | 154.1 | 82.6 | 1168.6 | 47.6 | 2294.0 | 5186.4 |
| A-4 | | 3(FO)* | 544.1 | 67.1 | 845.4 | 248.4 | 2663.7 | 6061.9 |
| | | 4(SO) | 188.0 | 53.2 | 1275.1 | 45.2 | 2130.6 | 3381.6 |
| Mean | | | 171,1 | 72.8 | 1349.9 | 46.3 | 2235.7 | 4751.7 |
| SD | | | 17.0 | 17.0 | 228.1 | 1.2 | 91.2 | 1212.7 |
| 8/27/90 | 227 | 1(80) | 258.7 | 135.1 | 2479.9 | 67.3 | 3255.4 | 12809.6 |
| CAL | | 2(\$0) | 236.1 | 95.5 | 1849.9 | 69.5 | 3410.0 | 7070.9 |
| A-4 | | 3(F0)* | 1326.8 | 123.2 | 1639.0 | 475.8 | 99.0 | 16501.8 |
| | | 4(SO) | 206.6 | 71.1 | 2109.9 | 50.1 | 2431.6 | 6470.4 |
| Mean | | | 233.8 | 100.6 | 2146.6 | 62.3 | 3032.3 | 8783.6 |
| SD | | | 26.1 | 32.3 | 316.6 | 10.6 | 526.0 | 3499.5 |
| 3/27/90 | 454 | 1(80) | 573.6 | 232.7 | 4051.2 | 154.9 | 6446.4 | 45035.9 |
| CAL | | 2(80) | 387.0 | 126.5 | 3018.5 | 129.0 | 5476.8 | 23226.2 |
| A-4 | | 3(FO)* | 21615 | 150.7 | 586.4 | 1046.6 | 159.1 | 33258.3 |
| | | 4(SO) | 549.2 | 134.4 | 3480.7 | 133.2 | 5564.1 | 29980.4 |
| Mean | | | 503.3 | 164.5 | 3516.8 | 139.0 | 5829.1 | 32747.5 |
| SD | | | 101.4 | 59.2 | 517.3 | 13.9 | 536.4 | 11165.1 |
| 3/27/90 | 907 | 1(80) | 840.7 | 300.5 | 7070.6 | 557.8 | 8163.3 | 107947.8 |
| CAL | | 2(SO) | 608.9 | 216.6 | 4413.9 | 187.9 | 7913.8 | 56335.5 |
| A-4 | | 3(FO)* | 2945.6 | 309.4 | 3584.0 | 1775.7 | 426.2 | 117728.0 |
| | | 4(SO) | 1154.4 | 208.0 | 6429.4 | 290.1 | 7104.2 | 76646.5 |
| Mean | | | 868.0 | 241.7 | 5971.3 | 345.3 | 7727.1 | 80309.9 |
| SD | | | 273.8 | 51.1 | 1386.3 | 191.0 | 553.7 | 26000.4 |
| libratío | on shots, no | animals | | | | | х | <charge< td=""></charge<> |
| | gauge number | | ntation | | Instrument | Cylinder> | 0/ | <door< td=""></door<> |
| 1(BO) 2(SO) | Back-on to Side-on to | blast | | | | | Enclosure | |
| 3(F0)* 4(S0) | Face-on to Side-on to | | | | | Co | nfiguration A | -4 |
| Gauge | | | ulate mean. | | Note. | Recording si | te ambient pro | essure = 83 kP |

Table B-19. Instrumentation cylinder pressure-time summary at the 4.7 ft/1.43 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-5. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | - | Pressure se Within 20 | Effective |
|-----------------|----------------------------|---------|-----------------|------------------|--------------------|---------|--------------------------|--|
| and | Charge | Gauge | Pressure | Pressure | Imax. | - | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa 2*ms |
| 7/11/90 | 114 | 1(BO) | 320.0 | 99.4 | 1515.2 | 97.4 | 4523.4 | 10930.5 |
| CAL | | 2(\$0) | 257.8 | 86.6 | 1239.7 | 82.6 | 3909.7 | 6817.8 |
| A-5 | | 3(F0)* | 294.3 | 54.0 | 795.9 | 65.2 | 3063.0 | 3486.7 |
| | | 4(SO) | 254.8 | 81.5 | 1220.2 | 61.4 | 2961.1 | 4926.5 |
| Mean | | | 277.5 | 89.2 | 1325.0 | 80.5 | 3798.1 | 7558.3 |
| SD | | | 36.8 | 9.2 | 165.0 | 18.1 | 787.1 | 3069.7 |
| 7/11/90 | 227 | 1(80) | 335.7 | 160.5 | 2921.6 | 83.6 | 4089.9 | 22263.9 |
| CAL | | 2(\$0) | 434.6 | 120.8 | 2265.0 | 127.9 | 5334.5 | 15044.1 |
| A-5 | | 3(FO)* | 403.8 | 83.1 | 1490.5 | 121.7 | 4804.3 | 8498.0 |
| | | 4(SO) | 296.9 | 132.4 | 2132.4 | 62.6 | 3098.0 | 11808.2 |
| Mean | | | 355.7 | 137.9 | 2439.7 | 91.4 | 4174.1 | 16372.1 |
| SD | | | 71.0 | 20.4 | 422.6 | 33.3 | 1120.6 | 5352.9 |
| 7/11/90 | 454 | 1(BO) | 864.4 | 285.7 | 4551.8 | 258.8 | 12577.9 | 72549.7 |
| CAL | | 2(\$0) | 812.4 | 187.2 | 2966.9 | 235.9 | 7430.4 | 39940.5 |
| A-5 | | 3(FO)* | 1295.7 | 184.3 | 3156.0 | 420.6 | 4894.0 | 41551.0 |
| | | 4(SO) | 563.2 | 190.9 | 3769.7 | 132.2 | 6583.1 | 32873.8 |
| Mean | | | 746.7 | 221.3 | 3762.8 | 209.0 | 8863.8 | 48454.7 |
| SD | | | 161.0 | 55.8 | 792.5 | 67.5 | 3244.3 | 21163.9 |
| 7/11/90 | 907 | 1(80) | 1283.6 | 508.2 | 7747.1 | 401.7 | 16716.5 | 194950.6 |
| CAL | | 2(\$0) | 1557.1 | 270.9 | 4709.7 | 470.4 | 5471.7 | 103164.5 |
| A-5 | | 3(FO)* | 2313.2 | 293.1 | 5143.9 | 629.4 | 4569.2 | 125682.2 |
| | | 4(SO) | 1091.7 | 283.7 | 6760.3 | 287.4 | 7717.3 | 104730.1 |
| Mean | | | 1310.8 | 354.3 | 6405.7 | 386.5 | 9968.5 | 134281.7 |
| SD | | | 233.9 | 133.5 | 1549.4 | 92.4 | 5950.8 | 52546.6 |
| libratio | on shots, no | animels | | | | | × | <charge< td=""></charge<> |
| linder g | auge number: Back-on to | | ntation | • | | Door> | /。 | <instrument cylinder<="" td=""></instrument> |
| 2(SO) | Side-on to | | | | | | Enclosure | Cyclindel |
| 2(30) 3(FO)* | Face-on to | | | | | r | onfiguration A | -5 |
| 4(SO) | Side-on to | | | | | CC | an igui actoir A | • |

Table 8-20. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure configuration A-6. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | _ | Pressure se Within 20 | Effective |
|----------------|-----------------------------|-----------------|----------------------|---------------------|--------------------|--------------|--------------------------|---|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | lmax, kPa*ms | • | of Peak 120,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 9/20/90 | 114 | 1(BO) | No Data | No Data | No Data | No Data | No Data | No Data |
| CAL | | 2(SO) | 818.0 | 146.9 | 1403.0 | 502.5 | 176.9 | 12998.5 |
| A-6 | | 3(F0)* | 451.4 | 84.8 | 1084.7 | 126.5 | 3669.8 | 7368.2 |
| | | 4(SO) | 387.3 | 110.4 | 1476.2 | 98.8 | 4744.1 | 9635.6 |
| Mean | | | 602.7 | 128.7 | 1439.6 | 300.7 | 2460.5 | 11317.1 |
| SO | | | 304.6 | 25.8 | 51.8 | 285.5 | 3229.5 | 2377.9 |
| 9/20/90 | 227 | 1(80) | 1862.1 | 261.6 | 2338.2 | 663.3 | 13541.9 | 86460.2 |
| CAL | | 2(\$0) | 1261.4 | 156.8 | 2375.1 | 601.8 | 4195.8 | 22513.9 |
| A-6 | | 3(FO)* | 982.3 | 116.2 | 2131.8 | 318.4 | 3324.3 | 20319.0 |
| | | 4(SO) | 472.0 | 156.7 | 2440.6 | 123.8 | 6142.8 | 19296.4 |
| Mean | | | 1198.5 | 191.7 | 2384.6 | 463.0 | 7960.2 | 42756.8 |
| SD | | | 697.2 | 60.5 | 51.9 | 295.3 | 4931.0 | 37882.4 |
| 9/20/90 | 454 | 1(80) | 1076.1 | 273.8 | 4733.5 | 279.0 | 13317.4 | 104471.6 |
| CAL | | 2(SO) | 6369.0 | 191.4 | 3582.8 | 3494.6 | 32387.7 | 108415.8 |
| A-6 | | 3(FO)* | 2209.9 | 202.4 | 3712.4 | 1062.0 | 9473.2 | 71485.4 |
| | | 4(SO) | 617.2 | 187.6 | 4119.0 | 162.1 | 7017.8 | 47417.3 |
| Mean | | | 2687.4 | 217.6 | 4145.1 | 1311.9 | 17574.3 | 86768.2 |
| SD | | | 3196.6 | 48.7 | 575.8 | 1891.2 | 13209.8 | 34135.9 |
| 9/20/90 | 907 | 1(80) | 1931.2 | 439.1 | 6719.0 | 645.7 | 12484.9 | 193906.9 |
| CAL | | 2(\$0) | 6611.1 | 335.0 | 5147.0 | 5729.9 | 58009.8 | 367968.2 |
| A-6 | | 3(FO)* | 2937.5 | 269.4 | 4256.1 | 1402.4 | 2703.8 | 137574.7 |
| | | 4(SO) | 1222.4 | 240.9 | 7076.7 | 338.3 | 8763.0 | 118976.4 |
| Mean | | | 3254.9 | 338.3 | 6314.2 | 2238.0 | 26419.2 | 226950.5 |
| SD | | | 2928.1 | 99.1 | 1026.6 | 3028.0 | 27421.5 | 127742.5 |
| libratio | on shots, no | animals | | | | | x | <charge< td=""></charge<> |
| linder (| gauge number: Back-on to | | ntation | • | | Door> | / 0 | <instrument Cylinder</instrument |
| 2(SO) | Side-on to | | | | | | Enclosure | Cycinder |
| 3(F0)* | Face-on to | blast | | | | Co | onfiguration A | 1-6 |
| 4(SO) Gauge | Side-on to | | ulate mean. | | Note. | Recording si | te ambient or | essure = 83 kPa |

Table 8-21. Instrumentation cylinder pressure-time summary at the 4.7 ft/1.43 m range in the

| | | | Maximum | Smoothed | Maximum | • | Pressure | |
|----------|---------------|---------------|-----------|----------|---------|--------------|----------------|---------------------------|
| Date | | | Peak | Peak | Impulse | and Impuls | e Within 20 | Effective |
| and | Charge | Gauge | Pressure | Pressure | Imax, | Percent | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 10/16/90 | 114 | 1(BO) | 363.4 | 108.6 | 1690.3 | 93.2 | 4377.2 | 10438.8 |
| CAL | | 2(\$0) | 257.1 | 81.1 | 1351.7 | 78.2 | 3718.0 | 6772.2 |
| A-7 | | 3(FO)* | 340.5 | 52.6 | 1211.0 | 77.0 | 3658.5 | 4588.8 |
| | | 4(SO) | 194.7 | 81.5 | 1379.2 | 45.2 | 2225.9 | 5298.4 |
| Mean | | | 271.7 | 90.4 | 1473.7 | 72.2 | 3440.4 | 7503.1 |
| SD | | | 85.3 | 15.8 | 188.1 | 24.6 | 1102.2 | 2647.0 |
| 10/16/90 | 227 | 1(BQ) | 747.6 | 175.7 | 2900.5 | 277.8 | 4437.6 | 24940.7 |
| CAL | | 2(\$0) | 453.7 | 93.4 | 2158.7 | 126.8 | 6229.7 | 10805.0 |
| A-7 | | 3(FQ)* | 564.0 | 89.8 | 2124.5 | 132.5 | 4898.1 | 11542.0 |
| | | 4(SO) | 421.8 | 145.6 | 2497.7 | 101.0 | 4921.1 | 14312.2 |
| Mean | | | 541.0 | 138.2 | 2519.0 | 168.5 | 5196.1 | 16686.0 |
| SD | | | 179.6 | 41.6 | 371.4 | 95.5 | 927.2 | 7360.7 |
| 10/16/90 | 454 | 1(80) | 652.3 | 271.7 | 4743.0 | 177.0 | 6621.4 | 71698.7 |
| CAL | | 2(SO) | 726.0 | 196.4 | 4152.2 | 246.2 | 9187.1 | 49868.9 |
| A-7 | | 3(FO)* | 1051.9 | 154.8 | 3550.0 | 261.2 | 5743.6 | 39059.8 |
| | | 4(SO) | 485.0 | 210.3 | 4384.2 | 114.7 | 5680.6 | 41493.9 |
| Mean | | | 621.1 | 226.1 | 4426.5 | 179.3 | 7163.0 | 54353.8 |
| SD | | | 123.5 | 40.1 | 297.7 | 65.8 | 1814.9 | 15593.9 |
| 10/16/90 | 907 | 1(80) | 899.6 | 482.9 | 7763.6 | 309.7 | 13627.0 | 174476.2 |
| CAL | , | 2(\$0) | 1554.3 | 276.0 | 5018.0 | 553.7 | 13846.5 | 94832.6 |
| A-7 | | 3(FO)* | 2523.5 | 280.0 | 5726.8 | 869.2 | 6160.9 | 126539.3 |
| ., . | | 4(SO) | 874.0 | 274.5 | 7290.0 | 216.2 | 10336.7 | 99306.3 |
| Mean | | 1(00) | 1109.3 | 344.5 | 6690.5 | 359.9 | 12603.4 | 122871.7 |
| SD | | | 385.6 | 119.9 | 1467.7 | 174.3 | 1966.1 | 44746.8 |
| libratio | on shots, no | animale | | | - | Instrument-> | <u></u> | |
| | 311013, 110 | a. / i ma v 3 | | • | | Cylinder | | |
| | | | | | | Jy (III W | x | <charge< td=""></charge<> |
| dinder d | gauge number: | s and orie | ntation | | | Door> |], | |
| 1(BO) | Back-on to | | | • | | 200. | <u> </u> | |
| 2(SO) | Side-on to | | | | | | Enclosure | |
| 3(FO)* | Face-on to | | | | • | Cc | onfiguration A | -7 |
| | . 200 01 10 | | | | | C | an igunation A | • |

| | 4(SO) | 874.0 | 274.5 | 7290.0 | 216.2 | 10336.7 | 99306.3 |
|-----------|-------------------------|-------------|-------|--------|--------------|---------------|---------------------------|
| Mean | | 1109.3 | 344.5 | 6690.5 | 359.9 | 12603.4 | 122871.7 |
| SD | | 385.6 | 119.9 | 1467.7 | 174.3_ | 1966.1 | 44746.8 |
| Calibrati | ion shots, no animals | | | - | Instrument-> | 0 | |
| | | | | | Cytilidei | × | <charge< td=""></charge<> |
| Cylinder | gauge numbers and ories | ntation | | | Door> | / | |
| 1(80) | Back-on to blast | | | | | | |
| 2(SO) | Side-on to blast | | | | | Enclosure | |
| 3(FO)* | Face-on to blast | | | • | Co | nfiguration A | ·-7 |
| 4(SO) | Side-on to blast | | | | | - | |
| | | ulate mean. | | Note. | | te ambient pr | |

Table 8-22. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated in a corner in configurations A-8 through A-8/5. No sheep in chamber

| | | | Maximum | Smoothed | Maximum | - | Pressure | _ |
|------------------|--------------|------------|----------------|---------------|-----------------|---------------|------------------|---------------------------|
| Date | | | Peak | Peak | Impulse | • | se Within 2 | Effective |
| and | Charge | Gauge | Pressure | Pressure | Imax, | | t of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm,kPa | kPa*ms | P2O,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 11/15/90 | 454 | 1(80) | 607.5 | 129.6 | 4264.2 | 141.0 | 5061.6 | 30719.1 |
| CAL | | 2(SO) | 6113.9 | 91.2 | 256.6 | 6113.9 | NO DATA | 47834.4 |
| A-8/5 | | 3(FO)* | 2959.8 | 308.9 | 785.3 | 1456.3 | 2172.7 | 114816.9 |
| 0.91m | | 4(SO) | 2239.2 | 272.8 | 4352.9 | 1140.8 | 1834.3 | 74401.7 |
| Mean | | | 2986.9 | 164.5 | 2957.9 | 2465.2 | 2298.6 | 50985.1 |
| SD | | | 2828.3 | 95.7 | 2339.8 | 3199.1 | 2282.0 | 22011.1 |
| 10/26/90 | 454 | 1(BO) | 584.5 | 252.8 | 4276.3 | 172.4 | 8290.5 | 38285.4 |
| CAL | | 2(50) | 346.2 | 159.2 | 2373.4 | 110.6 | 5305.0 | 22132.0 |
| A-8 | | 3(FO)* | 1585.2 | 269.0 | 2952.0 | 574.7 | 6363.5 | 53312.0 |
| 2.01m | | 4(SO) | 361.1 | 157.1 | 3440.0 | 105.6 | 5229.5 | 24570.1 |
| Mean | | .,,,, | 430.6 | 189.7 | 3363.2 | 129.5 | 6275.0 | 28329.2 |
| SD | | | 133.5 | 54.7 | 953.8 | 37.2 | 1745.9 | 8708.1 |
| 11/13/90 | 454 | 1(BO) | 379.6 | 206.6 | 4284.8 | 100.9 | 4729.2 | 33994.4 |
| | 434 | | | 214.1 | 4027.5 | 211.6 | 9553.1 | 17169.2 |
| CAL A-8/4 | | 2(SO) | 576.9 | | 2990.0 | 348.3 | 571.2 | 33634.2 |
| 2.01 m | | 3(F0)* | 1051.4 | 234.8 | | | | 19700.5 |
| | | 4(SO) | 414.4 | 130.4 | 3666.0 | 93.8 135.4 | 4469.2 6250.5 | |
| Mean SD | | | 457.0 105.3 | 183.7 46.3 | 3992.8 310.9 | 66.1 | 2863.1 | 23621.4 9072.0 |
| | | | | | | | | |
| 11/9/90 | 454 | 1(BO) | 880.1 | 354.4 | 4257.7 | 232.8 | 8913.2 | 67660.8 |
| CAL | | 2(\$0) | 1048.5 | 380.2 | 3040.4 | 278.9 | 6516.3 | 54714.6 |
| A-8/3 | | 3(FO)* | 560.4 | 232.4 | 2284.2 | 141.7 | 6959.1 | 32824.8 |
| 2.99 m | | 4(SO) | 568.9 | 323.0 | 3679.7 | 159.4 | 7813.8 | 48852.0 |
| Mean | | | 832.5 | 352.5 | 3659.3 | 223.7 | 7747.8 | 57075.8 |
| SD | | | 243.3 | 28.6 | 608.9 | 60.3 | 1199.8 | 9624.1 |
| 11/8/90 | 907 | 1(80) | 1316.4 | 600.3 | 6995.6 | 430.0 | 19813.3 | 219137.9 |
| CAL | | 2(SO) | 1161.6 | 545.0 | 4453.3 | 403.3 | 10382.1 | 134756.0 |
| A-8/2 | | 3(FO)* | 1562.3 | 430.9 | 5986.2 | 635.1 | 14948.1 | 143328.8 |
| 2.99 m | | 4(SO) | 1401.0 | 519.6 | 6661.2 | 327.0 | 10069.0 | 159501.6 |
| Mean | | | 1293.0 | 555.0 | 6036.7 | 386.8 | 13421.5 | 171131.8 |
| SD | | | 121.4 | 41.3 | 1381.4 | 53.5 | 5537.7 | 43376.5 |
| libooti | on shots, no | animala | | | | | A-8/2 | |
| | on anota, NO | arringla | | | | | 0 A-0/2 | |
| | | | | | | A-8/3 | • | <a-8 4<="" td=""></a-8> |
| nstrumeni | tation Cylin | der Config | gurations A- | 8 to A-8/5 | 0 | A-8> | 0 | <a-8 5<="" td=""></a-8> |
| <u>/linder (</u> | gauge number | s_and orie | entation | | | Door> | / x | <charge< td=""></charge<> |
| 1(BO) | Back-on to | | | - | | | | - |
| 2(SO) | Side-on to | blast | | | | | Enclosure | |
| 3(FO)* | Face-on to | blast | | | | Configu | rations A-8 1 | to A-8/5 |
| 4(SO) | Side-on to | blast | | | | • | | |
| Gauge | no 3 not us | ed to calc | ulate mean. | | Note. | Recording si | te ambient pr | essure = 83 kl |

Table B-23. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated against one wall in configurations A-9

through A-9/3. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | Average P and Impulse | | Effective |
|-------------|--------------|------------|-----------------|------------------|--------------------|--------------------------|------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | Percent | | Impulse Power |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | | I20,kPa*ms | EIP, kPa 2 ms |
| | | | | • | | | | |
| 11/27/90 | 454 | 1(80) | 1335.3 | 115.7 | 160.7 | 520.5 | 5537.8 | 63473.0 |
| CAL | | 2(SO) | 1239.4 | 188.5 | 3550.3 | 430.9 | 4707.0 | 43899.5 |
| A-9 | | 3(f0)* | 3017.8 | 484.8 | 22853.5 | 1069.4 | 2079.0 | 301536.1 |
| 0.91 m | | 4(SO) | 2291.6 | 391.2 | 547.1 | 689.0 | 1592.9 | 91178.5 |
| Mean | | | 1622.1 | 231.8 | 1419.4 | 546.8 | 3945.9 | 66183.7 |
| SD | | | 581.8 | 142.8 | 1855.5 | 131.0 | 2079.7 | 23755.8 |
| 12/5/90 | 454 | 1(\$0) | 482.2 | 159.0 | 3608.0 | 110.8 | 5350.8 | 28850.5 |
| CAL | | 2(SO) | 1251.0 | 205.7 | 2108.2 | 537.2 | 5791.0 | 43815.5 |
| A-9/2 | | 3(SO) | 635.4 | 115.8 | 2311.6 | 229.0 | 4683.8 | 18084.9 |
| 1.71 m | | 4(BO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 789.5 | 160.2 | 2675.9 | 292.3 | 5275.2 | 30250.3 |
| SD | | | 406.9 | 45.0 | 813.6 | 220.1 | 557.5 | 12922.3 |
| 12/11/90 | 454 | 1(80) | 1140.0 | 520.9 | 5162.3 | 410.9 | 9604.1 | 104761.0 |
| CAL | | 2(SO) | 766.0 | 293.4 | 2882.0 | 212.8 | 4962.0 | 46583.9 |
| A-9/3 | | 3(FO)* | 337.3 | 190.8 | 2938.1 | 69.8 | 3245.8 | 32422.8 |
| 2.71 m | | 4(SO) | 481.6 | 250.7 | 5693.5 | 145.0 | 7010.5 | 56954.6 |
| Mean | | | 795.9 | 355.0 | 4579.3 | 256.2 | 7192.2 | 69433.2 |
| SD | | | 330.2 | 145.3 | 1493.7 | 138.2 | 2326.4 | 31031.1 |
| alibratio | on shots, no | animals | | | | A-9>[| x . | <charge< td=""></charge<> |
| ne t rument | ation Cylino | ter Confia | urations A- | 9 to 4-9/3 | 0 | İ | 0 | <a-9 2<="" td=""></a-9> |
| | | | A | , , | • | A-9/3> | - 1 | |
| vlinder o | auge numbers | and orie | ntation | | | Door> | , | |
| (BO) | Back-on to | | | • | | | | ı |
| (SO) | Side-on to | | | | | E | nclosure | |
| (FO) | Face-on to | | | | | - | itions A-9 | to A-9/3 |
| | | | | | | | | |

Table 8-24. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for two charges detonated simultaneously against opposite walls in configurations A-10 through A-10/2. No sheep in chamber.

| Date | | | Peak | Peak | Impulse | | Pressure se Within 20 | Effective |
|--------------|--------------|------------|-------------|-------------|---------|----------|-----------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | - | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa^2*ms |
| 2/18/90 | 2-227 | 1(80) | 807.8 | 156.2 | 3726.2 | 243.6 | 11786.0 | 42323.2 |
| CAL | | 2(\$0) | 681.3 | 157.1 | 4350.5 | 211.5 | 7580.2 | 37894.1 |
| A-10 | | 3(FO)* | 3019.2 | 321.8 | 5048.1 | 3019.2 | NO DATA | 129585.1 |
| 0.91 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 744.6 | 156.7 | 4038.4 | 227.6 | 9683.1 | 40108.7 |
| SD | | | 89.4 | 0.6 | 441.4 | 22.7 | 2973.9 | 3131.8 |
| 2/18/90 | 227-454 | 1(80) | 1388.7 | 286.9 | 4985.5 | 441.7 | 14081.9 | 14081.9 |
| CAL | | 2(50) | 632.9 | 188.5 | 4205.9 | 202.3 | 8143.5 | 55636.3 |
| A-10 | | 3(FO)* | 3036.7 | 242.4 | 2325.7 | 1873.2 | 299.7 | 109093.6 |
| 0.91 m | | 4(\$0) | 864.3 | 280.9 | 6416.6 | 197.1 | 8854.6 | 90659.6 |
| Mean | | | 962.0 | 252.1 | 5202.7 | 280.4 | 10360.0 | 53459.3 |
| SD | | | 387.2 | 55.2 | 1121.2 | 139.7 | 3242.8 | 38335.2 |
| 1/14/91 | 2-227 | 1(\$0) | 900.2 | 289.2 | 3812.2 | 289.3 | 12533.9 | 87889.4 |
| CAL | | 2(SO) | 441.4 | 189.8 | 3810.1 | 152.5 | 6735.4 | 40649.5 |
| A-10/2 | | 3(SO) | 620.5 | 181.8 | 3872.0 | 132.6 | 4369.5 | 39658.8 |
| 1.71 m | | 4(SO) | 557.8 | 181.0 | 4427.6 | 110.0 | 5318.6 | 43550.2 |
| Mean | | | 630.0 | 210.5 | 3980.5 | 171.1 | 7239.4 | 52937.0 |
| SD | | | 194.8 | 52.7 | 299.5 | 80.7 | 3661.1 | 23360.0 |
| 1/14/91 | 227-454 | 1(50) | 617.6 | 229.4 | 5360.7 | 151.1 | 7152.6 | 67496.6 |
| CAL | | 2(\$0) | 680.8 | 345.5 | 4696.1 | 217.6 | 6633.2 | 81234.1 |
| A-10/2 | | 3(\$0) | 667.1 | 211.8 | 4997.6 | 185.4 | 7672.1 | 64339.1 |
| 1.71 m | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 655.2 | 262.2 | 5018.1 | 184.7 | 7152.6 | 71023.3 |
| SD | | | 33.2 | 72.6 | 332.8 | 33.3 | 519.5 | 8982.7 |
| libratio | on shots, no | animals | | | | A-10> | о x | <charge< td=""></charge<> |
| | | | | 10 1 10/ | • | | | |
| strument | tation Cylin | wer contig | urations A- | 10 to A-10/ | ۷ 0 | | l ° | <a-10 2<="" td=""></a-10> |
| | auge number: | | ntation | | | Door> | /x | <charge< td=""></charge<> |
| (BO) | Back-on to | | | | | | Faalaayaa | |
| (SO) (FO) | Side-on to | | | | | Configur | Enclosure ations A-10 ar | nd A-10/3 |

Table B-25. Instrumentation cylinder pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for charges detonated against a wall and with the door open in configurations B-9 and B-9/2. No sheep in chamber.

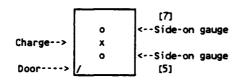
| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure se Within 20 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|--------------------|--------------------------|--|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | Imax, kPa≐ms | Percent P20,kPa | of Peak 120,kPa*ms | Impulse Power EIP,kPa ⁻ 2*ms |
| ^:4/91 | 454 | 1(80) | 1221.4 | 185.8 | 1386.7 | 416.1 | 1085.2 | 41442.1 |
| CAL | | 2(50) | 859.8 | 88.8 | 398.8 | 401.6 | 1143.8 | 12764.4 |
| B-9 | | 3(FO)* | 3046.1 | 299.0 | 518.9 | 1435.5 | 2664.3 | 126362.6 |
| 0.91 m | | 4(SO) | 3082.8 | 590.4 | 1821.8 | 1323.4 | 5939.3 | 237532.2 |
| Mean | | | 1721.3 | 288.3 | 1202.4 | 713.7 | 2722.8 | 97246.2 |
| SD | | | 1192.8 | 266.1 | 729.2 | 528.1 | 2785.8 | 122334.4 |
| 2/1/91 | 454 | 1(SO) | 1233.4 | 166.4 | 1151.5 | 329.6 | 4373.1 | 31349.8 |
| T-1 | 45 4 | 2(50) | 1268.0 | 163.2 | 1083.0 | 781.7 | 2057.6 | 31818.0 |
| B-9/2 | | 3(SO) | 560.4 | 119.5 | 990.5 | 188.5 | 2418.9 | 17093.8 |
| 1.71 m | | 4(BO) | 4775.8 | 234.4 | 1308.9 | 2472.4 | 3125.1 | 81061.6 |
| Mean | | | 1959.4 | 170.9 | 1133.5 | 943.1 | 2993.7 | 40330.8 |
| SD | · | | 1905.6 | 47.4 | 134.3 | 1050.5 | 1020.9 | 28000.5 |
| | | | | | | B-9> | o x | <charge< td=""></charge<> |
| nstrumen | tation Cylind | der Config | urations B- | 9 to B-9/2 | 0 | | ٥ | < B -9/2 |
| /linder : | gauge number | orientati | ons | | | Door> | / | |
| (BO) | Back-on to | | | • | | 0pen | · — | |
| (SO) | Side-on to | blast | | | | • | Enclosure | |
| (FO) | Face-on to | 61 | | | | | rations B-9 ar | |

Note. Recording site ambient pressure = 83 kPa

* Gauge no.3 not used to calculate mean.

Table B-26. Pressure-time summary at the 3 ft/0.91 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure for side-on gauges 5 and 7 in configurations A-1 and A-3. Shots with sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure se Within 20 | Effective |
|---------|------------------------|-----------|-----------------|------------------|--------------------|---------|--------------------------|---------------|
| | (Gauge | Charge | Pressure | Pressure | Imax. | Percent | of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 7/30/90 | A-1(5) | 114 | 292.3 | 111.0 | 4755.1 | 66.2 | 3292.5 | 6558.4 |
| 8/15/90 | A-3(7) | | 283.2 | 87.6 | 4590.2 | 36.8 | 1797.7 | 3207.9 |
| Hean | | | 287.8 | 99.3 | 4672.7 | 51.5 | 2545.1 | 4883.2 |
| SD | | | 6.4 | 16.5 | 116.6 | 20.8 | 1057.0 | 2369.2 |
| 7/31/90 | A-1(5) | 227 | 447.2 | 117.3 | 3301.0 | 126.7 | 5776.3 | 8747.5 |
| 8/20/90 | A-3(7) | | 415.9 | 102.6 | 5659.0 | 106.2 | 5301.6 | 16233.7 |
| Mean | | | 431.6 | 110.0 | 4480.0 | 116.5 | 5539.0 | 12490.6 |
| SD | | | 22.1 | 10.4 | 1667.4 | 14.5 | 335.7 | 5293.5 |
| 8/1/90 | A-1(5) | 454 | 888.0 | 172.0 | 3729.0 | 230.4 | 2203.0 | 26979.0 |
| 8/21/90 | A-3(7) | | 860.5 | 197.6 | 8308.5 | 170.9 | 6464.5 | 66183.8 |
| Mean | | | 874.3 | 184.8 | 6018.8 | 200.7 | 4333.8 | 46581.4 |
| SD | | | 19.4 | 18.1 | 3238.2 | 42.1 | 3013.3 | 27722.0 |
| 8/2/90 | A-1(5) | 907 | 1500.0 | 428.3 | 20561.2 | 343.2 | 15827.9 | 309883.3 |
| 8/22/90 | A-3(7) | | 1089.9 | 277.4 | 9443.3 | 237.6 | 7616.5 | 127985.8 |
| Mean | | | 1295.0 | 352.9 | 15002.3 | 290.4 | 11722.2 | 218934.6 |
| SD | | | 290.0 | 106.7 | 7861.5 | 74.7 | 5806.3 | 128621.0 |



Enclosure Configurations A-1 and A-3

Table 8-27. Pressure-time summary at the 3 ft /0.91 m range in the 3.05 x 2.44 x 2.44- m enclosure for side-on gauges 6 and 8 in configuration A-2. Shots with sheep in chamber.

| | Configur- ation and | | Peak Pe | Peak | | Average and impuls | Effective | |
|------------|------------------------|---------------------|----------------------|---------------------|---|-----------------------|-------------------------|--|
| Date | (Gauge Number) | Charge Weight, g | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | Percent P20,kPa | t of Peak I20,kPa*ms | Impulse Powe EIP,kPa ² *ms |
| 8/7/90 | A-2(6) | 114 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| | A-2(8) | | 273.8 | 30.2 | 176.2 | 169.2 | NO DATA | 1298.6 |
| Mean SD | | | 273.8 | 30.2 | 176.2 | 169.2 | NO DATA | 1298.6 |
| 8/8/90 | A-2(6) | 227 | 420.3 | 62.7 | 1991.6 | 155.6 | 3344.4 | 5875.0 |
| | A-2(8) | | 606.1 | 69.0 | 2278.3 | 309.9 | NODATA | 9060.0 |
| Mean | | | 513.2 | 65.9 | 2135.0 | 232.8 | 3344.4 | 7467.5 |
| SD | | - | 131.4 | 4.5 | 202.7 | 109.1 | | 2252.1 |
| 8/9/90 | A-2(6) | 454 | 648.8 | 103.2 | 3243.4 | 213.0 | 2182.2 | 17983.8 |
| | A-2(8) | | 671.9 | 132.1 | 3559.1 | 227.8 | 3207.0 | 29164.1 |
| Mean | | | 660.4 | 117.7 | 3401.3 | 220.4 | 2694.6 | 23574.0 |
| SD | | | 16.3 | 20.4 | 223.2 | 10.5 | 724.6 | 7905.7 |
| 3/10/90 | A-2(6) | 907 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| | A-2(8) | | 886.3 | 318.2 | 13733.1 | 222.3 | 10291.0 | 218285.0 |
| Mean SD | | | 886.3 | 318.2 | 13733.1 | 222.3 | 10291.0 | 218285.0 |
| | | [6] | | <u></u> | [8] | | | |
| | | | on gauge> | | <side-on< td=""><td>gauge</td><td></td><td></td></side-on<> | gauge | | |
| | | | Charge> | x | | | | |
| | | | Door> | / | | | | |
| | | | | Enclosure | | | | |
| | | | Conf | figuration a | A-2 | | | |

Table B-28. Pressure-time summary at the 3ft/0.91 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure for side-on gauges 5 and 9 in configurations A-2 and A-3. Shots with sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak Pressure Psm,kPa | Maximum Impulse Imax, kPa*ms | - | Pressure se Within 20 | Effective Impulse Power EIP,kPa ^{-2*ms} |
|---------|------------------------|---------------------|----------------------|---|---------------------------------------|--------------------|--------------------------|--|
| Date | (Gauge Number) | Charge Weight, g | Pressure Pmax,kPa | | | Percent P20,kPa | of Peak 120,kPa*ms | |
| 8/7/90 | A-2(9) | 114 | 402.1 | 52.6 | 1536.9 | 157.9 | 685.8 | 3244.5 |
| /15/90 | A-3(5) | | 270.8 | 48.7 | 1141.7 | 64.1 | 2378.3 | 3253.1 |
| Mean | | | 336.5 | 50.7 | 1339.3 | 111.0 | 1532.1 | 3248.8 |
| SD | | | 92.8 | 2.8 | 279.4 | 66.3 | 1196.8 | 6.1 |
| 8/8/90 | A-2(9) | 227 | 420.7 | 71.9 | 2168.7 | 118.0 | 2479.0 | 7119.8 |
| 3/20/90 | A-3(5) | | 479.2 | 72.8 | 1969.5 | 157.8 | 1940.7 | 8107.2 |
| Mean | | | 450.0 | 72.4 | 2069.1 | 137.9 | 2209.9 | 7613.5 |
| SD | | | 41.4 | 0.6 | 140.9 | 28.1 | 380.6 | 698.2 |
| 8/9/90 | A-2(9) | 454 | 856.8 | 120.1 | 3144.3 | 296.5 | 3108.1 | 20824.6 |
| 3/21/90 | A-3(5) | | 975.6 | 75.8 | 2323.7 | 975.6 | NO DATA | 9347.5 |
| Mean | | | 916.2 | 98.0 | 2734.0 | 636.1 | 3108.1 | 15086.1 |
| SD | | | 84.0 | 31.3 | 580.3 | 480.2 | | 8115.5 |
| 3/10/90 | A-2(9) | 907 | 2086.4 | 217.8 | 5814.9 | 947.1 | 16638.3 | 83492.7 |
| /22/90 | A-3(5) | | 1019.6 | 282.3 | 9410.9 | 243.5 | 9047.9 | 112224.7 |
| Mean | | | 1553.0 | 250.1 | 7612.9 | 595.3 | 12843.1 | 97858.7 |
| SD | | | 754.3 | 45.6 | 2542.8 | 497.5 | 5367.2 | 20316.6 |

Door----> [/_____

Enclosure Configurations A-2 to A-3

Table 8-29. Pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure. for side-on guages 6 and 9 in configurations A-4 and α -5. Shots with sheep in chamber.

| Configur- ation and | | | Peak Pe | Smoothed Peak | Peak Impulse | and Impuls | Pressure se Within 20 | Effective |
|------------------------|-------------------|---------------------|----------------------|---------------------|------------------------------|--------------------|--------------------------|------------------------------|
| Date | (Gauge Number) | Charge Weight, g | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | Percent P20,kPa | : of Peak I2O,kPa*ms | Impulse Powe EIP,kPa^2*ms |
| 9/4/90 | A-4(6) | 114 | 270.9 | 95.3 | 1368.7 | 94.1 | 4591.9 | 5328.8 |
| 9/4/90 | A-4(9) | | 158.4 | 97.3 | 1474.6 | 50.8 | 2512.3 | 4897.2 |
| /13/90 | A-5(9) | | 190.6 | 87.1 | 1406.6 | 57.7 | 2797.0 | 4462.3 |
| Mean | | | 206.6 | 93.2 | 1416.6 | 67.5 | 3300.4 | 4896.1 |
| SD | | | 57.9 | 5.4 | 53.7 | 23.3 | 1127.5 | 433.3 |
| 9/5/90 | A-4(6) | 227 | 387.2 | 105.2 | 2008.5 | 114.1 | 5691.1 | 10697.2 |
| 9/5/90 | A-4(9) | | 359.9 | 109.3 | 2593.9 | 93.9 | 4147.3 | 9983.9 |
| /17/90 | A-5(9) | | 284.3 | 100.1 | 2380.2 | 79.6 | 3920.4 | 8782.4 |
| Mean | | | 343.8 | 104.9 | 2327.5 | 95.9 | 4586.3 | 9821.2 |
| SD | | | 53.7 | 4.6 | 296.2 | 17.3 | 963.5 | 967.7 |
| 9/6/90 | A-4(6) | 454 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| 9/6/90 | A-4(9) | | 505.9 | 140.0 | 4372.5 | 126.3 | 5414.3 | 26331.3 |
| /17/90 | A-5(9) | | 456.5 | 140.5 | 3952.5 | 110.5 | 4293.8 | 24199.1 |
| Mean | | | 481.2 | 140.3 | 4162.5 | 118.4 | 4854.1 | 25265.2 |
| SD | | | 34.9 | 0.4 | 297.0 | 11.2 | 792.3 | 1507.7 |
| 9/7/90 | A-4(6) | 907 | 726.9 | 234.2 | 7333.3 | 187.2 | 6606.4 | 97977.6 |
| 9/7/90 | A-4(9) | | 988.4 | 238.5 | 7155.5 | 255.4 | 7140.5 | 83614.4 |
| 7/18/90 | A-5(9) | | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 571.8 | 157.6 | 4829.6 | 147.5 | 4582.3 | 60530.7 |
| SD | | | 184.9 | 3.0 | 125.7 | 48.2 | 377.7 | 10156.3 |
| | | | | 0 | <side-on [6]</side-on | gauge | | |
| | | | Charge> | x | | | | |
| | | | Door> | / 0 | <side-on [9]</side-on | gauge | | |
| | | | | Enclosure | | | | |

Table B-30. Pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ m enclosure for side-on gauges 7 and 8 in configurations A-4, A-6 and A-7. Shots with sheep in chamber.

| | Configur- | | Maximum | Smoothed | Maximum | | Pressure | |
|---------|-----------|-----------|-----------|----------|---------|---------|-------------|-------------------------|
| | ation and | _ | Peak | Peak | Imputse | • | e Within 20 | Effective |
| | (Gauge | Charge | Pressure | Pressure | lmax, | | of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax, kPa | Psm,kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa ^{2*ms} |
| 9/4/90 | A-4(8) | 114 | 155.5 | 66.6 | 2574.2 | 51.0 | 2549.1 | 6969.4 |
| 9/25/90 | A-6(7) | | 167.5 | 82.7 | 2803.4 | 66.5 | 3266.7 | 8961.2 |
| 10/2/90 | A-7(8) | | 147.4 | 51.8 | 1349.5 | 40.5 | 1940.4 | 3171.5 |
| Mean | | | 156.8 | 67.0 | 2242.4 | 52.7 | 2585.4 | 6367.4 |
| SD | | | 10.1 | 15.5 | 781.7 | 13.1 | 663.9 | 2941.4 |
| 9/5/90 | A-4(8) | 227 | 268.0 | 79.1 | 3286.7 | 72.3 | 3592.3 | 7907.7 |
| 9/26/90 | A-6(7) | | 250.8 | 103.3 | 3308.7 | 78.4 | 3830.8 | 13235.9 |
| 10/3/90 | A-7(8) | | 213.7 | 80.1 | 2601.2 | 56.1 | 2786.2 | 9173.6 |
| Mean | | | 244.2 | 87.5 | 3065.5 | 68.9 | 3403.1 | 10105.7 |
| SD | ··· | | 27.8 | 13.7 | 402.3 | 11.5 | 547.4 | 2783.7 |
| 9/6/90 | A-4(8) | 454 | 466.1 | 199.2 | 6378.2 | 134.1 | 6332.4 | 58985.9 |
| 9/27/90 | A-6(7) | | 361.0 | 159.9 | NO DATA | 87.2 | 4272.4 | 26642.6 |
| 10/4/90 | A-7(8) | | 420.9 | 124.2 | 4155.3 | 103.9 | 4056.8 | 25978.4 |
| Mean | | | 416.0 | 161.1 | 5266.8 | 108.4 | 4887.2 | 37202.3 |
| SD | | | 52.7 | 37.5 | 1571.8 | 23.8 | 1256.2 | 18868.1 |
| 9/7/90 | A-4(8) | 907 | 750.2 | 342.1 | 10749.6 | 223.9 | 10965.4 | 169911.3 |
| 9/28/90 | A-6(7) | | 760.9 | 214.6 | 5399.8 | 200.2 | 6553.7 | 61399.8 |
| 10/5/90 | A-7(8) | | 794.0 | 233.0 | 6632.3 | 218.2 | 7080.9 | 95204.5 |
| Mean | | | 768.4 | 263.2 | 7593.9 | 214.1 | 8200.0 | 108838.5 |
| SD | | | 22.8 | 68.9 | 2801.5 | 12.4 | 2409.4 | 55525.7 |

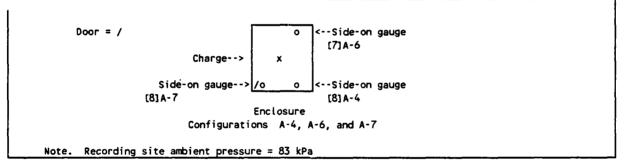


Table 8-31. Pressure-time summary at the 1.43 m range in the $3.05 \times 2.44 \times 2.44$ m enclosure for side-on gauges 5 and 8 in configurations A-1, A-5 and A-6. Shots with sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure e Within 20 | Effective |
|---------|------------------------|-----------|----------------------|------------------|---|---------|-------------------------|---------------|
| | (Gauge | Charge | Pressure | Pressure | Imax. | • | of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa 2*ms |
| 7/30/90 | A-1(8) | 114 | 166.3 | 38.3 | 1074.6 | 48.3 | 2331.5 | 2543.6 |
| 9/13/90 | A-5(8) | | 113.0 | 51.5 | 1109.5 | 37.9 | 1856.0 | 2800.6 |
| 9/25/90 | A-6(5) | | 107.9 | 49.1 | 1281.6 | 32.1 | 1570.8 | 2903.1 |
| 9/25/90 | A-6(8) | | 118.9 | 55.7 | 1372.9 | 38.2 | 1899.9 | 3199.8 |
| Mean | | | 126.5 | 48.7 | 1209.7 | 39.1 | 1914.6 | 2861.8 |
| SD | | | 26.9 | 7.4 | 141.5 | 6.7 | 313.9 | 271.4 |
| 7/31/90 | A-1(8) | 227 | 283.1 | 59.7 | 1939.3 | 78.8 | 2167.4 | 5500.0 |
| 9/14/90 | A-5(8) | | 188.5 | 81.2 | 2188.8 | 59.5 | 2947.8 | 8107.3 |
| 9/26/90 | A-6(5) | | 175.2 | 100.1 | 3674.4 | 57.8 | 2839.0 | 13339.3 |
| 9/26/90 | A-6(8) | | 179.7 | 80.7 | NO DATA | 50.5 | 2502.9 | 8116.4 |
| Mean | | | 206.6 | 80.4 | 2600.8 | 61.7 | 2614.3 | 8765.8 |
| SD | | | 51.3 | 16.5 | 938.1 | 12.1 | 353.0 | 3288.2 |
| 8/1/90 | A-1(8) | 454 | 454.1 | 108.9 | 3598.0 | 143.3 | 4688.8 | 19027.1 |
| 9/17/90 | A-5(8) | | 357.0 | 148.2 | 4089.5 | 106.1 | 4533.7 | 29437.9 |
| 9/27/90 | A-6(5) | | 305.1 | 173.5 | 4538.5 | 103.7 | 5042.8 | 34883.3 |
| 9/27/90 | A-6(8) | | 365.8 | 149.7 | 3710.8 | 105.6 | 4881.7 | 29039.8 |
| Mean | | | 370.5 | 145.1 | 3984.2 | 114.7 | 4786.8 | 28097.0 |
| SD | | | 61.8 | 26.8 | 425.1 | 19.1 | 222.3 | 6608.2 |
| 8/2/90 | A-1(8) | 907 | 883.5 | 210.1 | 6775.6 | 225.0 | 6769.2 | 80272.0 |
| 9/18/90 | A-5(8) | | 529.8 | 221.5 | 5976.5 | 159.8 | 6260.8 | 77002.0 |
| 9/28/90 | A-6(5) | | 456.2 | 189.8 | 3846.8 | 137.9 | 6211.2 | 46354.6 |
| 7/28/90 | A-6(8) | | 522.3 | 262.8 | 6393.9 | 166.9 | 7006.5 | 100150.7 |
| Mean | • • | | 598.0 | 221.1 | 5748.2 | 172.4 | 6561.9 | 75944.8 |
| SD | | | 193.2 | 30.8 | 1308.9 | 37.2 | 389.1 | 22221.2 |
| | Door = / | [5]A-6 | on gauge> Charge> | x | <side-on [8]A-1 <side-on [8]A-6</side-on </side-on | | - | |
| | | | | Enclosure | | | | • |
| | | | Configurat | tions A-1,A | .E and 4-4 | | | |

Table B-32. Pressure-time summary at the 3 ft/0.91 m range in the 3.05 x 2.44 x 2.44 m enclosure for side-on gauges 5 and 7 in configurations A-1 and A-3. No sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | and Impuls | Pressure se Within 20 | Effective |
|----------|------------------------|---|-----------------|-------------------------|---|------------|--------------------------|---------------|
| D | (Gauge | Charge | Pressure | Pressure | Imax, | | of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax,kPa | Psm, kPa | kPa*ms | P2O,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 7/26/90 | A-1(5) | 114 | 261.9 | 61.7 | 1912.8 | 79.1 | 3317.8 | 4063.9 |
| 3/14/90 | A-3(7) | | 297.6 | 82.5 | 2956.0 | 59.4 | 2888.7 | 7405.9 |
| Mean | | | 279.8 | 72.1 | 2434.4 | 69.3 | 3103.3 | 5734.9 |
| SD | | | 25.2 | 14.7 | 737.7 | 13.9 | 303.4 | 2363.2 |
| 7/26/90 | A-1(5) | 227 | 624.4 | 98.4 | 2421.0 | 252.3 | 2697.3 | 9416.2 |
| 3/14/90 | A-3(7) | | 4.19.5 | 115.4 | 5063.1 | 89.2 | 4409.9 | 17747.6 |
| Mean | | | 522.0 | 106.9 | 3742.1 | 170.8 | 3553.6 | 13581.9 |
| SD | | - · · · · · · · · · · · · · · · · · · · | 144.9 | 12.0 | 1868.2 | 115.3 | 1211.0 | 5891.2 |
| 7/26/90 | A-1(5) | 454 | 699.8 | 139.6 | 2112.6 | 209.6 | 2689.3 | 21237.0 |
| 3/14/90 | A-3(7) | | 889.2 | 192.3 | 6882.0 | 182.2 | 7816.0 | 66085.0 |
| Mean | | | 794.5 | 166.0 | 4497.3 | 195.9 | 5252.7 | 43661.0 |
| SD | | | 133.9 | 37.3 | 3372.5 | 19.4 | 3625.1 | 31712.3 |
| 7/26/90 | A-1(5) | 907 | 1002.0 | 256.7 | 6452.0 | 294.1 | 4593.0 | 95806.7 |
| 3/14/90 | A-3(7) | | 832.2 | 397.1 | 15113.4 | 306.4 | 15189.7 | 286612.0 |
| Mean | | | 917.1 | 326.9 | 10782.7 | 300.3 | 9891.4 | 191209.4 |
| SD | | | 120.1 | 99.3 | 6124.5 | 8.7 | 7493.0 | 134919.7 |
| libratio | n shots, no | animals | Charge> | o x | [7] <side-on< td=""><td></td><td></td><td></td></side-on<> | | | |
| | | | Door> | / | [5] | • | | |
| | | | Configur | Enclosure ations A-1 | and A-3 | | | |
| | | | comingui | ations A-1 | GIM A-3 | | | |

Table 8-33. Pressure-time summary at the 3 ft/0.91 m range in the 3.05 x 2.44 x 2.44 m enclosure for side-on gauges 6 and 8 in configuration A-2. No sheep in chamber.

| | Configur- | | Maximum | Smoothed | Maximum | _ | Pressure | Filosofius |
|-----------|--------------|-------------|-------------------------------|-------------------|--|----------|--------------|--------------------------|
| | ation and | | Peak | Peak | Impulse | • | se Within 20 | Effective |
| _ | (Gauge | Charge | Pressure | Pressure | Imax, | | t of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax,kPa | Psm, kPa | kPa*ms | P2O, kPa | 120,kPa*ms | EIP,kPa ² *ms |
| 8/6/90 | A-2(6) | 114 | 207.9 | 50.4 | 1325.1 | 100.6 | 4963.6 | 12674.1 |
| | A-2(8) | | 284.5 | 36.2 | 1147.6 | 129.4 | 1256.1 | 2253.2 |
| Mean | | | 246.2 | 43.3 | 1236.4 | 115.0 | 3109.9 | 7463.7 |
| SD | | | 54.2 | 10.0 | 125.5 | 20.4 | 2621.6 | 7368.7 |
| 8/6/90 | A-2(6) | 227 | 200.4 | 55.0 | 2078.2 | 67.5 | 3374.4 | 6682.1 |
| -• -• - | A-2(8) | | 504.0 | 74.0 | 2225.3 | 214.2 | 2380.7 | 7002.4 |
| Mean | | | 352.2 | 64.5 | 2151.8 | 140.9 | 2877.6 | 6842.3 |
| SD | | | 214.7 | 13.4 | 104.0 | 103.7 | 702.7 | 226.5 |
| 8/6/90 | A-2(6) | 454 | 343.4 | 106.3 | 3804.6 | 166.4 | 8238.1 | 41976.6 |
| -, -, -, | A-2(8) | | 931.3 | 108.5 | 3823.6 | 323.8 | 3047.3 | 25240.8 |
| Mean | | | 637.4 | 107.4 | 3814.1 | 245.1 | 5642.7 | 33608.7 |
| SD | | | 415.7 | 1.6 | 13.4 | 111.3 | 3670.4 | 11834.0 |
| 8/6/90 | A-2(6) | 907 | 486.9 | 205.4 | 7896.9 | 202.6 | 10096.0 | 70433.1 |
| • -• - | A-2(8) | | 838.7 | 142.8 | 4184.9 | 270.6 | 3088.6 | 40610.2 |
| Mean | | | 662.8 | 174.1 | 6040.9 | 236.6 | 6592.3 | 55521.7 |
| SD | | | 248.8 | 44.3 | 2624.8 | 48.1 | 4955.0 | 21088.0 |
| alibratio | on shots, no | [6] | on gauge> Charge> Door> | o o x / Enclosure | [8] <side-on< td=""><td>gauge</td><td></td><td></td></side-on<> | gauge | | |
| | | | 3011 | | | | | |

Table B-34. Pressure-time summary at the 3 ft/0.91 m range in the 3.05 x 2.44 x 2.44- m enclosure. for side-on gauges 5 and 9 in configurations A-2 and A-3. No sheep in chamber.

| uge Charge wer) Weight, (9) 114 (5) 227 | | Pressure Psm, kPa 49.1 48.0 48.6 0.8 | Imax, kPa*ms 1064.7 1527.6 1296.2 327.3 | 109.6 60.5 85.1 | 2549.0 2542.8 2545.9 | Impulse Power EIP,kPa ² *ms 2746.5 2527.0 2636.8 |
|--|------------------------|---|--|---|---|---|
| (5) | 267.0 309.1 59.5 | 48.0 48.6 | 1527.6 1296.2 | 60.5 85.1 | 2542.8 | 2527.0 |
| (9) 227 | 309.1 59.5 | 48.6 | 1296.2 | 85.1 | | |
| | 59.5 | | | | 2545.9 | 2636.8 |
| | | 0.8 | 327 3 | | | |
| | 542.7 | | | 34.7 | 4.4 | 155.2 |
| /E \ | JUE.1 | 79.8 | 2218.0 | 167.6 | 2157.3 | 7679.1 |
| (5) | 457.2 | 75.2 | 2061.6 | 110.9 | 2139.9 | 7018.0 |
| | 510.0 | 77.5 | 2139.8 | 139.3 | 2148.6 | 7348.6 |
| · | 74.6 | 3.3 | 110.6 | 40.1 | 12.3 | 467.5 |
| (9) 454 | 648.3 | 140.6 | 4251.6 | 141.7 | 5785.4 | 27987.3 |
| (5) | 744.6 | 145.6 | 3399.7 | 218.3 | 6215.5 | 24431.0 |
| | 696.5 | 143.1 | 3825.7 | 180.0 | 3108.1 | 26209.2 |
| | 68.1 | 3.5 | 602.4 | 54.2 | | 2514.7 |
| (9) 907 | 1392.9 | 264.8 | 8057.3 | 384.5 | 5585.0 | 104502.5 |
| (5) | 869.2 | 219.3 | 4928.8 | 223.3 | 5460.3 | 60301.7 |
| | 1131.1 | 242.1 | 6493.1 | 303.9 | 5522.7 | 82402.1 |
| | 370.3 | 32.2 | 2212.2 | 114.0 | 88.2 | 31254.7 |
| | (9) 907 (5) | 74.6 (9) 454 648.3 (5) 744.6 696.5 68.1 (9) 907 1392.9 (5) 869.2 1131.1 | 74.6 3.3 (9) 454 648.3 140.6 744.6 145.6 696.5 143.1 68.1 3.5 (9) 907 1392.9 264.8 (5) 869.2 219.3 1131.1 242.1 370.3 32.2 | 74.6 3.3 110.6 (9) 454 648.3 140.6 4251.6 (5) 744.6 145.6 3399.7 696.5 143.1 3825.7 68.1 3.5 602.4 (9) 907 1392.9 264.8 8057.3 (5) 869.2 219.3 4928.8 1131.1 242.1 6493.1 370.3 32.2 2212.2 | 74.6 3.3 110.6 40.1 (9) 454 648.3 140.6 4251.6 141.7 (5) 744.6 145.6 3399.7 218.3 696.5 143.1 3825.7 180.0 68.1 3.5 602.4 54.2 (9) 907 1392.9 264.8 8057.3 384.5 (5) 869.2 219.3 4928.8 223.3 1131.1 242.1 6493.1 303.9 370.3 32.2 2212.2 114.0 | 74.6 3.3 110.6 40.1 12.3 (9) 454 648.3 140.6 4251.6 141.7 5785.4 (5) 744.6 145.6 3399.7 218.3 6215.5 696.5 143.1 3825.7 180.0 3108.1 68.1 3.5 602.4 54.2 (9) 907 1392.9 264.8 8057.3 384.5 5585.0 (5) 869.2 219.3 4928.8 223.3 5460.3 1131.1 242.1 6493.1 303.9 5522.7 370.3 32.2 2212.2 114.0 88.2 |

Table 8-35. Pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure for side-on gauges 6 and 9 in configurations A-4 and A-5. No sheep in chamber.

| Cauge Charge Pressure Imax, Percent of Peak Impulse Peak | | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure se Within 20 | Effective |
|---|----------------------|------------------------|-----------|--------------------|------------------|--------------------|---------|--------------------------|---------------|
| 8/27/90 A-4(6) 114 241.2 87.7 1331.1 80.9 3975.4 4 8/27/90 A-4(9) 158.0 81.1 1307.5 47.5 2263.4 4 9/11/90 A-5(9) 176.2 86.7 1313.6 58.2 2827.0 4 Mean 191.8 85.2 1317.4 62.2 3021.9 4 SD 43.7 3.6 12.3 17.1 872.5 4 8/27/90 A-4(6) 227 569.8 116.5 2567.6 175.6 4621.0 12 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 SD 164.1 11.1 117.9 53.2 295.3 2 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 36 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO DA | | | | | | • | • | | Impulse Power |
| 8/27/90 A-4(9) 158.0 81.1 1307.5 47.5 2263.4 4 9/11/90 A-5(9) 176.2 86.7 1313.6 58.2 2827.0 4 Mean 191.8 85.2 1317.4 62.2 3021.9 4 SD 43.7 3.6 12.3 17.1 872.5 4 8/27/90 A-4(6) 227 569.8 116.5 2567.6 175.6 4621.0 12 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 33 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA | Date | Number) | Weight, g | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 9/11/90 A-5(9) | 8/27/90 | A-4(6) | 114 | 241.2 | 87.7 | 1331.1 | 80.9 | 3975.4 | 4992.3 |
| Mean 191.8 85.2 1317.4 62.2 3021.9 4 43.7 3.6 12.3 17.1 872.5 4 43.7 3.6 12.3 17.1 872.5 4 4 4 4 4 4 4 4 4 | B/27/ 9 0 | A-4(9) | | 158.0 | 81.1 | 1307.5 | 47.5 | 2263.4 | 4057.0 |
| SD 43.7 3.6 12.3 17.1 872.5 4 8/27/90 A-4(6) 227 569.8 116.5 2567.6 175.6 4621.0 175.8 8 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 32 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO | 9/11/90 | A-5(9) | | 176.2 | 86.7 | 1313.6 | 58.2 | 2827.0 | 4349.3 |
| 8/27/90 A-4(6) 227 569.8 116.5 2567.6 175.6 4621.0 12 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 SD 164.1 11.1 117.9 53.2 295.3 2 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 32 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO | Mean | | | 191.8 | 85.2 | 1317.4 | 62.2 | 3021.9 | 4466.2 |
| 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 32 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO DA | SD | | | 43.7 | 3.6 | 12.3 | 17.1 | 872.5 | 478.5 |
| 8/27/90 A-4(9) 281.2 103.0 2332.9 83.7 4075.8 8 9/11/90 A-5(9) 290.1 94.4 2430.3 83.2 4151.6 7 Mean 380.4 104.6 2443.6 114.2 4282.8 9 SD 164.1 11.1 117.9 53.2 295.3 2 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 32 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO | 8/27/90 | A-4(6) | 227 | 569.8 | 116.5 | 2567.6 | 175.6 | 4621.0 | 12549.2 |
| 9/11/90 A-5(9) | | | | | | | | | 8597.5 |
| Mean 380.4 104.6 2443.6 114.2 4282.8 9 SD | | | | | | | · = | - | 7929.6 |
| 8/27/90 A-4(6) 454 376.7 161.3 4441.4 114.9 5558.1 32 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO DAT | Mean | | | 380.4 | 104.6 | | | 4282.8 | 9692.1 |
| 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO D | SD | - x-" | | 164.1 | 11.1 | 117.9 | 53.2 | 295.3 | 2496.8 |
| 8/27/90 A-4(9) 549.2 134.4 3480.7 NO DATA NO D | 8/27/90 | A-4(6) | 454 | 376.7 | 161.3 | 4441.4 | 114.9 | 5558.1 | 32805.2 |
| 9/11/90 A-5(9) NO DATA | | | | | | | | | NO DATA |
| Mean 463.0 147.9 3961.1 114.9 5558.1 32 SD 122.0 19.0 679.3 122.0 19.0 679.3 NO DATA | | | | | NO DATA | | NO DATA | NO DATA | NO DATA |
| 8/27/90 A-4(6) 907 NO DATA NO DATA NO DATA NO DATA NO DATA NO 8/27/90 A-4(9) NO DATA NO DATA NO DATA NO DATA NO | - | | | | | | | | 32805.2 |
| B/27/90 A-4(9) NO DATA NO DATA NO DATA NO DATA NO DATA NO | SD | | | 122.0 | 19.0 | 679.3 | | | |
| 8/27/90 A-4(9) NO DATA NO DATA NO DATA NO DATA NO DATA NO | 8/27/90 | A-4(6) | 907 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| 0/11/00 A-5/01 730 & 201 B 5403 D 182 S 6485 D 50 | 8/27/90 | | | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| 7/11/70 A 3(7) 130.0 201.0 3473.0 102.3 0403.0 37 | 9/11/90 | A-5(9) | | 730.8 [,] | 201.8 | 5493.0 | 182.5 | 6485.0 | 59865.3 |
| Mean 730.8 201.8 5493.0 182.5 6485.0 59 | | | | 730.8 | 201.8 | 5493.0 | 182.5 | 6485.0 | 59865.3 |
| | | | | | ۰ | 1 | gauge | | |
| | | | | Charge> | × | | | | |
| [6] | | | | Door> | / 0 | 3 | gauge | | |
| Charge> x Door> / o <side-on gauge<="" td=""><td></td><td></td><td></td><td></td><td>Enclosure</td><td>171</td><td></td><td></td><td></td></side-on> | | | | | Enclosure | 171 | | | |
| [6] Charge> x Door> / o <side-on [9]<="" gauge="" td="" =""><td></td><td></td><td></td><td>Configur</td><td>ations A-4</td><td>and A-5</td><td></td><td></td><td></td></side-on> | | | | Configur | ations A-4 | and A-5 | | | |

Table 8-36. Pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 2.44 \times 2.44$ - m enclosure for side-on gauges 7 and 8 in configurations A-4. A-6 and A-7. No sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure se Within 20 | Effective |
|----------|------------------------|---------------------|----------------------|---------------------|--------------------|---------------------|--------------------------|-------------------------------|
| Date | (Gauge Number) | Charge Weight, g | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | Percent P20, kPa | t of Peak I20,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 8/27/90 | A-4(8) | 114 | 155.9 | 64.2 | 2214.1 | 50.7 | 2527.0 | 5267.7 |
| 9/20/90 | A-6(7) | | 160.4 | 76.8 | 2091.3 | 46.8 | 2299.9 | 7007.2 |
| 10/16/90 | A-7(8) | | 168.4 | 53.4 | 1343.6 | 57.6 | 2843.1 | 3239.7 |
| Mean | | | 161.6 | 64.8 | 1883.0 | 51.7 | 2556.7 | 5171.5 |
| SD | | | 6.3 | 11.7 | 471.2 | 5.5 | 272.8 | 1885.6 |
| 8/27/90 | A-4(8) | 227 | 328.6 | 102.0 | 3348.3 | 95.9 | 4782.8 | 14113.0 |
| 9/20/90 | A-6(7) | | 283.9 | 111.6 | 2966.6 | 83.3 | 3984.2 | 11423.2 |
| 10/16/90 | A-7(8) | | 243.8 | 77.5 | 2426.8 | 67.0 | 3320.9 | 7720.7 |
| Mean | | | 285.4 | 97.0 | 2913.9 | 82.1 | 4029.3 | 11085.6 |
| SD | | | 42.4 | 17.6 | 463.0 | 14.5 | 732.0 | 3209.5 |
| 8/27/90 | A-4(8) | 454 | 397.2 | 165.7 | 5496.5 | 133.9 | 6682.7 | 54429.1 |
| 9/20/90 | A-6(7) | | 497.0 | 171.9 | 6481.2 | 139.3 | 6861.6 | 47389.8 |
| 10/16/90 | A-7(8) | | 497.4 | 134.3 | 4657.4 | 130.9 | 6320.2 | 31955.5 |
| Mean | | | 463.9 | 157.3 | 5545.0 | 134.7 | 6621.5 | 44591.5 |
| SD | | | 57.7 | 20.2 | 912.9 | 4.3 | 275.8 | 11495.2 |
| 8/27/90 | A-4(8) | 907 | 574.4 | 331.7 | 10601.6 | 196.8 | 9802.4 | 165366.2 |
| 9/20/90 | A-6(7) | | 2951.4 | 400.2 | 11315.7 | 1058.1 | 7999.6 | 212168.2 |
| 10/16/90 | A-7(8) | | 796.6 | 256.2 | 8108.7 | 210.8 | 7581.0 | 105257.6 |
| Mean | | | 1440.8 | 329.4 | 10008.7 | 488.6 | 8461.0 | 160930.7 |
| SD | | | 1312.9 | 72.0 | 1683.7 | 493.3 | 1180.4 | 53593.1 |

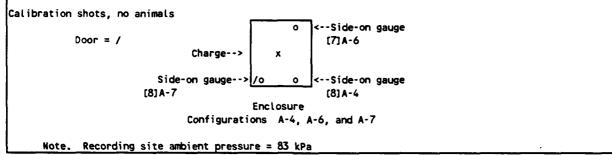


Table B-37. Pressure-time summary at the 4.7 ft/1.43 m range in the 3.05 x 2.44 x 2.44- m enclosure for side-on gauges 5 and 8 in configurations A-1, A-5 and A-6. No sheep in chamber.

| | Configur- ation and | | Maximum Peak | Smoothed Peak | Maximum Impulse | - | Pressure se Within 20 | Effective |
|-----------|------------------------|-----------|-----------------|------------------|---|---------|--------------------------|---------------------------|
| | (Gauge | Charge | Pressure | Pressure | Imax, | Percent | of Peak | Impulse Power |
| Date | Number) | Weight, g | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa ⁻ 2*ms |
| 7/26/90 | A-1(8) | 114 | 164.5 | 42.5 | 611.7 | 44.9 | 2195.7 | 2673.4 |
| 9/11/90 | A-5(8) | | 124.8 | 48.5 | 1098.2 | 37.2 | 2827.3 | 2547.7 |
| 9/20/90 | A-6(5) | | 67.1 | 43.7 | 1155.8 | 19.2 | 951.0 | 1637.4 |
| 9/20/90 | A-6(8) | | 117.5 | 52.1 | 1362.5 | 40.0 | 1967.8 | 3208.2 |
| Mean | | | 118.5 | 46.7 | 1057.1 | 35.3 | 1985.5 | 2516.7 |
| SD | | | 40.0 | 4.4 | 317.8 | 11.2 | 779.6 | 652.4 |
| 7/26/90 | A-1(8) | 227 | 261.9 | 74.5 | 2028.6 | 70.7 | 3526.7 | 7754.8 |
| 9/11/90 | A-5(8) | | 165.2 | 78.4 | 1996.5 | 54.1 | 2674.3 | 7591.8 |
| 9/20/90 | A-6(5) | | 214.7 | 98.8 | 2936.2 | 58.9 | 2881.4 | 10983.0 |
| 9/20/90 | A-6(8) | | 174.2 | 90.1 | 2432.5 | 55.2 | 2746.4 | 8804.8 |
| Mean | | | 204.0 | 85.5 | 2348.5 | 59.7 | 2957.2 | 8783.6 |
| SD | | | 44.2 | 11.1 | 439.2 | 7.6 | 389.2 | 1561.7 |
| 7/26/90 | A-1(8) | 454 | 490.4 | 146.6 | 4755.8 | 120.9 | 5918.6 | 24046.5 |
| 9/11/90 | A-5(8) | | 375.8 | 131.0 | 3441.1 | 115.6 | 4755.6 | 25171.6 |
| 9/20/90 | A-6(5) | | 310.3 | 159.5 | 4454.9 | 102.1 | 5077.0 | 38166.1 |
| 9/20/90 | A-6(8) | | 450.3 | 139.8 | 4127.5 | 119.0 | 5142.1 | 26467.4 |
| Mean | | | 406.7 | 144.2 | 4194.8 | 114.4 | 5223.3 | 28462.9 |
| SD | | | 79.9 | 12.0 | 564.2 | 8.5 | 493.3 | 6544.0 |
| 7/26/90 | A-1(8) | 907 | 656.4 | 244.4 | 7237.3 | 182.4 | 9015.1 | 82136.6 |
| 9/11/90 | A-5(8) | | 673.6 | 244.7 | 5082.1 | 184.7 | 5 7 54.1 | 74745.9 |
| 9/20/90 | A-6(5) | | 565.4 | 256.3 | 8543.3 | 176.4 | 8298.4 | 101585.9 |
| 9/20/90 | A-6(8) | | 824.8 | 253.4 | 6312.7 | 227.3 | 7233.8 | 97090.9 |
| Mean | | | 680.1 | 249.7 | 6793.9 | 192.7 | 7575.4 | 88889.8 |
| SD | | | 107.5 | 6.1 | 1462.7 | 23.3 | 1417.7 | 12571.2 |
| alibratio | on shots, no | animals | | | | | | |
| | | Side- | on gauge> | 0 0 | <side-on< td=""><td>gauge</td><td></td><td></td></side-on<> | gauge | | |
| | | [5]A-6 | | l | [8] A-1 | | | |
|)oor = / | | | Charge> | × | | | | |
| | | | on gauge> | 0/ 0 | <side-on< td=""><td>gauge</td><td></td><td></td></side-on<> | gauge | | |
| | | [8] A-5 | | | [8] A-6 | | | |

Table 8-38. Side-on, wall, and animal gauge pressure-time summary at various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for configurations A-9, A-9/2, B-9 and B-9/2. Shots with sheep in chamber.

| | | | Maximum | Smoothed | Maximum | | Pressure | |
|------------|-----------|--------|----------|----------|---------|---------|--------------|-----------------|
| Date | | | Peak | Peak | Impulse | | se Within 20 | |
| and | Charge | Gauge | Pressure | Pressure | • | | t of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| | | | | | | | | |
| 1/30/90 | 454 | 5 | 2601.9 | 199.2 | 665.6 | 1608.2 | 289.5 | 69759.9 |
| T-1 | | 6 | 238.2 | 115.5 | 3015.4 | 73.7 | 3641.0 | 15417.2 |
| A-9 | | 7 | 360.5 | 112.1 | 3397.1 | 104.0 | 5125.7 | 15594.8 |
| | | 8 | 411.4 | 195.0 | 4173.9 | 115.8 | 5007.4 | 36585.5 |
| | | 9 | 474.4 | 231.2 | 4130.1 | 117.4 | 5104.6 | 37303.9 |
| | | 10 | 817.3 | 192.6 | 4070.4 | 220.2 | 10780.2 | 58877.6 |
| | | 11 | 608.3 | 163.9 | 3586.1 | 268.7 | 5365.7 | 33911.0 |
| 2/4/90 | 454 | 5 | 2691.2 | 240.7 | 338.6 | NO DATA | NO DATA | 89340.0 |
| T-2 | | 6 | 260.2 | 152.8 | 4904.5 | 97.2 | 4851.5 | 31324.1 |
| A-9 | | 7 | 369.5 | 123.6 | 3378.1 | 89.1 | 4429.3 | 15479.0 |
| | | 8 | 337.9 | 184.1 | 4188.1 | 96.4 | 4093.9 | 35325.9 |
| | | 9 | 409.0 | 220.1 | 4288.9 | 120.4 | 5822.9 | 36330.4 |
| | | 10 | 511.0 | 180.0 | 3921.8 | 137.1 | 6718.1 | 41296.4 |
| | | 11 | 624.2 | 159.2 | 3596.0 | 183.8 | 4216.6 | 33423.4 |
| 2/6/90 | 454 | 5 | 1987.3 | 226.4 | 2548.4 | NO DATA | NO DATA | 75697.4 |
| T-3 | | 6 | 2045.0 | 209.8 | 5151.7 | 1341.6 | 91.2 | 54167.7 |
| A-9/2 | | 7 | 266.8 | 142.5 | 3426.6 | 70.0 | 3495.4 | 15254.6 |
| | | 8 | 321.3 | 174.6 | 4380.2 | 100.9 | 4733.4 | 33103.5 |
| | | 9 | 474.4 | 233.0 | 4451.4 | 115.0 | 5011.5 | 38894.5 |
| | | 10 | 946.3 | 232.8 | 4427.6 | 239.6 | 5371.3 | 62146.6 |
| | | 11 | 631.3 | 162.5 | 3819.1 | 207.1 | 7497.5 | 383 <u>33.4</u> |
| 2/10/90 | 454 | 5 | 2657.6 | 258.8 | 2021.0 | 1601.8 | 243.5 | 104000.4 |
| T-4 | | 6 | 1204.6 | 192.2 | 4275.2 | 440.9 | 1169.3 | 37725.9 |
| A-9/2 | | 7 | 338.2 | 141.4 | 3374.3 | 80.7 | 3650.6 | 16773.5 |
| | | 8 | 331.0 | 185.1 | 3851.0 | 97.7 | 4243.5 | 31535.1 |
| | | 9 | 536.2 | 228.5 | 4343.7 | 128.8 | 5533.5 | 36464.7 |
| | | 10 | 606.4 | 175.3 | 4471.0 | 161.0 | 8045.1 | 48139.3 |
| | | 11 | 676.4 | 176.6 | 3764.6 | 202.7 | 8896.8 | 35425.9 |
| 2/1/91 | 454 | 5 | 2574.4 | 211.6 | 728.0 | NO DATA | NO DATA | 66954.6 |
| T-1 | | 6 | 1487.4 | 233.8 | 3118.5 | 463.5 | 2964.8 | 68024.6 |
| B-9/2 | | 7 | 1365.5 | 112.4 | NO DATA | 954.4 | 2550.2 | 12176.0 |
| | | 8 | 441.3 | 213.9 | 1116.8 | 137.7 | 3418.4 | 23723.2 |
| | | 9 | 242.3 | 80.5 | NO DATA | NO DATA | NO DATA | NO DATA |
| | | 10 | 613.9 | 243.1 | 1888.2 | 174.4 | 3553.8 | 48438.4 |
| | | 11 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| 2/5/91 | 454 | 5 | 2348.8 | 269.8 | 375.7 | NO DATA | NO DATA | 92844.4 |
| T-2 | | 6 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| B-9 | | 7 | 301.0 | 81.5 | 843.5 | NO DATA | NO DATA | NO DATA |
| | | 8 | 385.3 | 201.5 | 1041.1 | 132.1 | 3126.1 | 24213.0 |
| | | 9 | 367.2 | 89.3 | NO DATA | 97.7 | 1663.8 | NO DATA |
| | | 10 | 448.8 | 243.6 | 2079.7 | 132.7 | 5359.2 | 46927.3 |
| | | 11 | 624.7 | 161.4 | 1223.0 | 285.0 | 3772.3 | 27563.1 |
| 2/6/91 | 454 | 5 | 1832.0 | 210.3 | 547.8 | NO DATA | NO DATA | 55461.2 |
| T-3 | · · · | 6 | 274.9 | 147.3 | 2060.9 | 93.3 | 3036.9 | 19362.2 |
| B-9 | | 7 | 376.6 | 82.0 | 482.7 | 100.3 | 1924.2 | NO DATA |
| <i>J</i> . | | 8 | 282.5 | 184.3 | 1154.7 | 106.2 | 2583.8 | 22426.9 |
| | | 9 | 194.6 | 86.3 | 676.2 | 63.2 | 1792.0 | NO DATA |
| | | 10 | 681.2 | 189.8 | 1742.1 | 189.6 | 6148.0 | 40267.4 |
| | | 11 | 476.6 | 148.6 | 1135.6 | 235.7 | 4506.1 | 22731.6 |

Refer to Appendix A, Figures A-13, A-14, A-18 and A-19 for gauge locations. Number 5, 7 and 8 were on animals. Number 6 and 9 were side-on free air gauges and 10 and 11 were mounted in the wall.

Table B-39. Side-on, wall, and animal gauge pressure-time summary at various ranges in the 3.05 x 2.44 x 2.44- m enclosure for configurations A-9, A-9/2, B-9 and B-9/2. No sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | _ | Pressure se Within 2 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|-------------------|-------------------------|-------------------------------|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | lmax, kPa*ms | Percen P20,kPa | t of Peak I2O,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 11/27/90 | 454 | 5 | 1650.3 | 271.3 | 9564.0 | 773.5 | 1927.5 | 106384.8 |
| CAL | | 6 | 249.3 | 143.4 | 4491.7 | 77.5 | 3852.0 | 24742.7 |
| A-9 | | 7 | 215.9 | 120.2 | 2864.2 | 59.2 | 2892.5 | 17484.3 |
| | | 8 | 370.6 | 236.5 | 4191.0 | 113.0 | 4751.5 | 41678.4 |
| | | 9 | 3/6.2 | 218.1 | 4149.3 | 106.6 | 4636.4 | 38346.6 |
| | | 10 | 456.8 | 178.6 | 4356.7 | 116.3 | 5734.4 | 39332.4 |
| | · | 11 | 532.6 | 171.9 | 3673.6 | 147.8 | 5282.4 | 36858.0 |
| 12/5/90 | 454 | 5 | 1364.5 | 189.4 | 5746.4 | 813.5 | 126.9 | 46489.3 |
| CAL | | 6 | 1577.1 | 186.4 | 3912.6 | 751.1 | 1865.7 | 33490.3 |
| A-9/2 | | 7 | 252.6 | 91.6 | 2261.8 | 74.5 | 3715.2 | 10136.2 |
| | | 8 | 392.8 | 251.3 | 4604.5 | 104.9 | 4612.8 | 44767.5 |
| | | 9 | 422.8 | 212.2 | 4270.9 | 96.6 | 4191.6 | 34388.0 |
| | | 10 | 502.6 | 189.4 | 4291.4 | 128.0 | 6181.3 | 39768.2 |
| | | 11 | 736.0 | 193.0 | 3522.3 | 257.7 | 6000.4 | 40486.7 |
| 1/29/91 | 454 | 5 | 1320.1 | 96.3 | 1209.2 | 637.7 | 1114.7 | 19779.7 |
| CAL | 454 | 6 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| B-9/2 | | 7 | 267.2 | 94.8 | 955.9 | 63.4 | 1550.2 | 9474.2 |
| - //- | | 8 | 396.1 | 234.7 | 1255.8 | 126.4 | 3028.7 | 25525.9 |
| | | 9 | 227.6 | 96.1 | 739.8 | 64.1 | 1777.6 | 7726.1 |
| | | 10 | 559.7 | 238.9 | 1621.5 | 165.2 | 3878.5 | 37540.1 |
| | | 11 | 836.1 | 172.7 | 1215.1 | 335.5 | 6184.5 | 37205.0 |
| 2/4/91 | 454 | 5 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| CAL | 4,74 | 6 | 260.4 | 114.5 | 1629.6 | 94.0 | 2735.1 | 14486.1 |
| B-9 | | 7 | 113.3 | 18.3 | 485.6 | 13.0 | 460.4 | 495.0 |
| D- 7 | | 8 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| | | 9 | 284.8 | 95.9 | 523.9 | 85.7 | 2374.9 | 6102.6 |
| | | 10 | 581.2 | 220.7 | 1941.6 | 165.7 | 6248.3 | 43332.5 |
| | | 11 | 610.1 | 177.4 | 934.9 | 242.9 | 1601.3 | 25692.9 |

Refer to Appendix A, Figures A-13, A-14, A-18 and A-19 for gauge locations. Calibration shots no animals. Numbers 5 to 9 were side-on free air gauges and 10 and 11 were mounted in the wall.

Table B-40. Sheep gauge pressure-time summary for various ranges in the 3.05 x 2.44 x 2.44- m enclosure for configurations A-1 to B-9/2.

| Date | Charge | | Sheep Number | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure se Within 20 | Effective |
|---------------|-------------|-----------------|--------------------|----------------------|---------------------|--------------------|-------------------|--------------------------|--|
| and Test | Weight, | Gauge Number | Distance (ft) | Pressure Pmax,kPa | Pressure Psm,kPa | lmax, kPa≠ms | Percen P20,kPa | t of Peak I20,kPa*ms | Impulse Power EIP,kPa ⁻ 2*ms |
| | | | | | | | | | |
| 7/30/90 | 114 | 6 | #293ft | 302.7 | 50.9 | 1211.5 | 124.4 | 1148.7 | 4078.8 |
| S01 | | 7 | #3 a 3ft | 405.6 | 61.1 | 1068.7 | 5047.3 | 5841.8 | 3324.6 |
| A-1 | | 9 | #494.7ft | 146.0 | 49.6 | 1272.2 | 49.2 | 2391.5 | 3689.2 |
| 7/31/90 | 227 | 6 | #5 a 3ft | 1171.2 | 115.6 | 2560.5 | 1171.2 | NO DATA | 22160.8 |
| S01 | | 7 | #6 3 3ft | 662.9 | 79.0 | 1528.5 | 302.4 | 1527.9 | 10627.5 |
| A-1 | | 9 | #794.7ft | 278.3 | 85.4 | 2310.1 | 65.9 | 2984.4 | 10619.1 |
| 8/1/90 | 454 | 6 | #8a3ft | 917.2 | 139.4 | 3741.1 | 461.1 | 4913.1 | 3013.1 |
| S01 | | 7 | #9 a 3ft | 1129.8 | 109.0 | 2635.2 | 411.8 | 1838.2 | 27138.6 |
| A-1 | | 9 | #1094.7ft | 455.2 | 120.1 | 3866.6 | 103.7 | 3366.9 | 27599.3 |
| 9 (2 (00 | 907 | 4 | #110764 | 17/2 0 | 347 / | 7/93 3 | /17.5 | 777/ 7 | 13101 (F |
| 8/2/90 | 9 07 | 6 | #11 2 3ft | 1362.8 3894.4 | 267.4 | 7682.2 | 413.5 | 3734.7 | 121916.5 |
| S01 | | 7 9 | #1293ft | | 179.2 | 4484.7 | 1468.3 | 2642.9 | 99242.0 |
| A-1 | | | #1394.7ft | 990.4 | 222.0 | 6226.2 | 277.6 | 7562.1 | 86031.6 |
| 8/7/90 | 114 | 5 | #14 a 3ft | 577.1 | 50.4 | 1389.6 | 429.4 | 853.6 | 4541.3 |
| A-2 | S01 | 7 | #15a3ft | 297.0 | 60.9 | 755.8 | 107.2 | 2597.0 | 5267.7 |
| 8/8/90 | 227 | 5 | #16 3 3ft | 1051.0 | 117.5 | 1680.1 | 883.5 | 551.3 | 16727.5 |
| A-2 | s01 | 7 | #17a3ft | 619.2 | 91.8 | 2280.6 | 155.6 | 3344.4 | 14230.3 |
| 8/9/90 | 454 | 5 | #1893ft | 1354.5 | 185.1 | 13613.3 | 1354.5 | NO DATA | 36475.7 |
| | S01 | 7 | | | | | | NO DATA | |
| A-2 | 301 | | #19 a 3ft | 1013.5 | 143.0 | 4475.4 | 282.9 | 5783.4 | 44454.5 |
| 8/10/90 | 907 | 5 | #20a3ft | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| A-2 | S01 | 7 | #21a3ft | 1247.0 | 205.9 | 6923.9 | 335.5 | 7865.8 | 102890.3 |
| 8/15/90 | 114 | 6 | #22 a 3ft | 427.1 | 74.3 | 1118.7 | 267.9 | 1412.2 | 6226.3 |
| S01 | | 8 | #23 a 3ft | 388.2 | 99.6 | 2289.5 | ·126.7 | 1652.7 | 9733.7 |
| A-3 | | 9 | #2494.7ft | 148.6 | 47.7 | 1139.4 | 31.3 | 1554.9 | 3204.8 |
| 8/20/90 | 227 | 6 | #25 a 3ft | 753.1 | 102.9 | 2031.3 | <i>7</i> 53.1 | NO DATA | 14918.0 |
| S01 | 221 | 8 | #2693ft | 544.4 | 92.4 | 2605.0 | 237.2 | 1245.8 | 11043.8 |
| A-3 | | 9 | #2794.7ft | 245.9 | 81.2 | 2284.7 | 59.3 | 2903.3 | 9055.2 |
| | | | | | | | | | |
| 8/21/90 | 454 | 6 | #28a3ft | 1498.6 | 291.4 | 20629.9 | 904.9 | 253.4 | 39156.3 |
| S01 | | 8 | #29 9 3ft | 1270.4 | 179.2 | 6048.6 | 416.2 | 3849.5 | 68282.1 |
| A-3 | | 9 | #3024.7ft | 637.1 | 133.5 | 3998.3 | 153.4 | 9128.9 | 30895.4 |
| 8/22/90 | 907 | 6 | #31a3ft | 3532.9 | 221.3 | 7243.2 | 1476.9 | 330.8 | 142415.7 |
| S01 | | 8 | #32a3ft | 2718.0 | 326.8 | 8245.8 | 1080.9 | 285.4 | 202047.4 |
| A-3 | | 9 | #3304.7ft | 1411.7 | 257.4 | 7110.7 | 424.7 | 6943.6 | 113992.0 |
| 9/4/90 | 114 | 5 | #34 a 4ft | 257.3 | 61.5 | 1491.2 | 70.6 | 3338.7 | 4975.5 |
| A-4 | \$01 | 7 | #3594ft | 284.0 | 60.6 | 1727.1 | 70.7 | 2983.7 | 6298.4 |
| 0.15 : 22 | | | | | | | | _ | |
| 9/5/90 A-4 | 227 so1 | 5 7 | #3694ft #3794ft | 372.1 403.1 | 100.8 87.8 | 2773.0 2417.3 | 97.3 108.8 | 4135.0 2845.0 | 13326.5 |
| A-4 | <u>s01</u> | | #3/ 9 47E | 403.1 | 01.8 | 2417.3 | 108.8 | 2845.0 | 11961.5 |
| 9/6/90 | 454 | 5 | #3894ft | 1141.5 | 139.2 | 8294.6 | 719.2 | 6567.8 | 27848.6 |
| A-4 | \$01 | 7 | #3994ft | 724.0 | 143.2 | 4477.2 | 220,3 | 4827.4 | 39490.7 |
| 9/7/90 | 907 | 5 | #40a4ft | 364.1 | 101.3 | 3626.1 | 126.0 | 5082.6 | 21235.4 |
| | SO1 | 7 | #4194ft | 1276.4 | 220.5 | 9596.9 | 395.4 | 8172.2 | 114530.9 |

Table B-40(cont'd). Sheep gauge pressure-time summary for various ranges in the 3.05 x 2.44 x 2.44- m enclosure for configurations A-1 to B-9/2.

| | | | Sheep | Maximum | Smoothed | Max i mum | Average | Pressure | ************************* |
|-----------|-------------|-------------|-------------------|-----------|----------|-----------|-------------|--------------|---------------------------|
| Date | Charge | | Number | Peak | Peak | Impulse | | se Within 20 | Effective |
| and | Weight, | Gauge | Distance | Pressure | Pressure | lmax, | - | nt of Peak | Impulse Power |
| Test | 9 | Number | (ft) | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120, kPa*ms | EIP, kPa 2*ms |
| | | | | | | | | , | |
| 9/13/90 | 114 | 5 | #4494.7ft | 250.8 | 48.8 | 783.6 | 77.1 | 3613.9 | 3795.5 |
| S01 | 114 | 6 | #4594ft | 253.8 | 48.9 | 1390.8 | 85.7 | 4155.9 | 6743.0 |
| A-5 | | 7 | #4694.7ft | 177.8 | 46.6 | 1063.2 | 42.1 | 2041.8 | 3262.5 |
| | | | #-tog, / / C | 177.0 | 40.0 | 1003.2 | 46.1 | 2041.0 | 3202.3 |
| 9/14/90 | 227 | 5 | #4794.7ft | 339.6 | 102.9 | 4181.8 | 92.8 | 3475.6 | 13899.8 |
| S01 | | 6 | #4824ft | 385.4 | 111.2 | 2521.2 | 147.7 | 3936.6 | 13404.2 |
| A-5 | | 7 | #4994.7ft | 291.3 | 95.0 | 2186.0 | 69.8 | 3075.6 | 9543.6 |
| 9/17/90 | 454 | 5 | #50a4.7ft | 618.9 | 132.4 | 5062.7 | 169.4 | 3938.2 | 34363.5 |
| S01 | 131 | 6 | #5194ft | 1026.3 | 145.0 | 3941.2 | 350.6 | 3173.3 | 41628.9 |
| A-5 | | 7 | #5294.7ft | 452.8 | 186.3 | 4594.5 | 120.3 | 5255.3 | 40448.5 |
| | | _ | | | | | | | |
| 9/18/90 | 907 | 5 | #5394.7ft | 5665.9 | 112.4 | 7015.8 | 154.7 | 4221.0 | 25467.0 |
| S01 | | 6 | #5494ft | 1341.1 | 225.2 | 6554.8 | 498.3 | 3619.0 | 112662.1 |
| A-5 | | 7 | #5594.7ft | 1038.0 | 244.0 | 13781.7 | 303.7 | 6361.6 | 109573.3 |
| 9/25/90 | 114 | 6 | #5694ft | 261.3 | 69.9 | 1055.6 | 83.3 | 4021.5 | 5999.6 |
| A-6 | S01 | 9 | #5794.7ft | 261.5 | 56.8 | 1341.7 | 92.0 | 3536.6 | 4220.5 |
| 0.104.100 | | | 1180011 | | | | | | |
| 9/26/90 | 227 | 6 | #5894ft | 588.7 | 102.6 | 2591.0 | 197.3 | 3002.3 | 18015.3 |
| A-6 | <u>\$01</u> | 9 | #59@4.7ft | 442.6 | 95.5 | 2521.9 | 129.2 | 4776.6 | 12111.5 |
| 9/27/90 | 454 | 6 | #60a4ft | 997.3 | 152.5 | 3892.3 | 377.5 | 3400.0 | 44741.7 |
| A-6 | S01 | 9 | #6104.7ft | 645.3 | 150.1 | 4486.4 | 183.7 | 5427.7 | 35576.5 |
| 9/28/90 | 907 | 6 | #62@4ft | 1078.7 | 245.8 | 7410.5 | 458.7 | 7190.8 | 114055.3 |
| A-6 | s01 | 9 | #6394.7ft | 6119.7 | 6143.8 | 127968.8 | 6042.7 | 127475.9 | 91915912.0 |
| | | | | | | | | | |
| 10/2/90 | 114 | 5 | #64@4ft | 264.9 | 79.3 | 1440.6 | 80.1 | 3943.8 | 8395.9 |
| S01 | | 6 | #65@4ft | 214.7 | 60.7 | 1299.8 | 62.3 | 3078.8 | 4223.1 |
| A-7 | | 9 | #6694.7ft | 170.0 | 49.7 | 1286.4 | 47.4 | 2318.2 | 3873.7 |
| 10/3/90 | 227 | 5 | #6794ft | 715.6 | 127.8 | 2461.4 | 237.9 | 2515.3 | 18446.6 |
| S01 | | 6 | #6894ft | 442.2 | 87.4 | 2587.2 | 140.1 | 3954.2 | 12896.1 |
| A-7 | | 9 | #6994ft | 385.2 | 83.6 | 2482.3 | 105.0 | 3965.0 | 11512.2 |
| | | _ | | | | | | | |
| 10/4/90 | 454 | 5 | #7094ft | 632.8 | 119.6 | 3519.8 | 193.8 | 4600.5 | 31607.5 |
| S01 | | 6 | #7194ft | 863.0 | 135.6 | 4295.2 | 282.1 | 3487.3 | 38071.1 |
| A-7 | | 9 | #72 <u>04.7ft</u> | 477.9 | 146.0 | 4332.4 | 123.4 | 4169.8 | 34265.0 |
| 10/5/90 | 907 | 5 | #73a4ft | 1081.1 | 267.3 | 20354.9 | 459.6 | 5516.7 | 104056.1 |
| S01 | | 6 | #7424ft | 1203.3 | 209.6 | 7274.6 | 427.3 | 3168.6 | 91130.5 |
| A-7 | | 9 | #7594.7ft | 815.2 | 220.8 | 7153.2 | 216.2 | 7709.6 | 90913.0 |
| 10/31/90 | 454 | 5 | #76a3ft | 2649.2 | 291.2 | 659.8 | 1695.2 | 2508.9 | 105099.8 |
| t-1 | 7.74 | 7 | #7796.6ft | 729.2 | 178.1 | 2029.0 | 201.1 | 2830.6 | 23161.1 |
| A-8 | | 8 | #7829.8ft | 405.8 | 196.7 | 2926.3 | 109.2 | 5289.5 | 26140.2 |
| | | | | | | | | | |
| 11/1/90 | 454 | 5 | #79a3ft | 2508.2 | 257.2 | 1602.6 | 1228.7 | 1960.9 | 83386.1 |
| T-2 | | 7 | #80a6.6ft | 549.4 | 162.7 | 3015.3 | 149.1 | 5496.6 | 20513.8 |

Table B-40(cont'd). Sheep gauge pressure-time summary for various ranges in the $3.05 \times 2.44 \times 2.44$ - m enclosure for configurations A-1 to B-9/2.

| | | | Sheep | Maximum | Smoothed | Maximum | - | Pressure | |
|----------------|--------------|-----------------|--------------------|----------------------|---------------------|-----------------|-------------------|-------------------------|--|
| Date | Charge | | Number | Peak | Peak | impulse | | se Within 20 | Effective |
| and Test | Weight, g | Gauge Number | Distance (ft) | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa≐ms | Percen P20,kPa | t of Peak .20,kPa*ms | Impulse Power EIP,kPa ⁻ 2*ms |
| | 3 | | . | 1 11-2- / 17 | | N. C. III | ,, | . EU / RV G 183 | / 2 0 |
| 11/7/90 | 454 | 5 | #82a3ft | 2736.2 | 432.2 | 4282.1 | 1710.5 | 2463.1 | 224260.0 |
| | 4,4 | 7 | | 740.8 | 215.6 | 4249.5 | | 6358.5 | 47870.0 |
| 1-3 | | | #8326.6ft | | | | 182.4 | | |
| A-8/2 | | 8 | #8429.8ft | 838.5 | 452.7 | 6277.6 | 259.1 | 10873.8 | 106443.2 |
| 1/12/90 | 454 | 5 | #85a3ft | 2068.7 | 149.4 | 449.8 | 1127.5 | 1709.4 | 56170.5 |
| T-4 | | 7 | #86 26.6 ft | 497.5 | 201.7 | 3284.0 | 131.4 | 6408.5 | 30003.0 |
| A-8/3 | | 8 | #8729.8ft | 337.5 | 232.3 | 2505.4 | 97.9 | 3977.4 | 33009.4 |
| 11/14/90 | 454 | 5 | #88a3ft | 2148.0 | 162.6 | 3482.5 | 848.8 | 1297.0 | 58065.7 |
| T-5 | 737 | 7 | #8996.6ft | 663.5 | 215.3 | 3090.3 | 190.1 | 6622.9 | 30203.8 |
| | | | | | | | | | |
| A-8/4 | | 8 | #90a9.8ft | 375.4 | 200.8 | 2990.6 | 112.1 | 4849.1 | 32834.8 |
| 11/16/90 | 454 | 5 | #91a3ft | 1401.2 | 203.6 | 2319.8 | 601.7 | 1073.4 | 48926.7 |
| T-6 | | 7 | #92@6.6ft | 542.0 | 192.3 | 3351.9 | 159.1 | 5764.1 | 30070.1 |
| A-8/5 | | 8 | #9309.8ft | 606.7 | 223.0 | 3807.6 | 168.1 | 6194.1 | 40601.6 |
| 11/30/90 | 454 | 5 | #94 a 3ft | 2601.9 | 199.2 | 665.6 | 1608.2 | 289.5 | 69759.9 |
| | 4,74 | 7 | #9505.6ft | 360.5 | 112.1 | 3397.1 | | | |
| T-1 | | | | | | | 104.0 | 5125.7 | 15594.8 |
| A-9 | | 8 | #96@9.8ft | 411.4 | 195.0 | 4173.9 | 115.8 | 5007.4 | 36585.5 |
| 12/4/90 | 454 | 5 | #97a3ft | 2691.2 | 240.7 | 338.6 | NO DATA | NO DATA | 8934.0 |
| T-2 | | 7 | #98a5.6ft | 369.5 | 123.6 | 3378.1 | 89.1 | 4429.3 | 15479.0 |
| A-9 | | 8 | #9999.8ft | 337.9 | 184.1 | 4188.1 | 96.4 | 4093.9 | 35325.9 |
| 12/6/90 | 454 | 5 | #100a3ft | 1987.3 | 226.4 | 2548.4 | NO DATA | NO DATA | 75697.4 |
| T-3 | 424 | 7 | #10125.6ft | 266.8 | 142.5 | 3426.6 | 70.0 | 3495.4 | 15254.6 |
| A-9/2 | | 8 | #102a9.8ft | 321.3 | 174.6 | 4380.2 | 100.9 | 4733.4 | 33103.5 |
| 7,5 | | | # 10 <u>20</u> | | | 430012 | 10017 | 413 | 33,030 |
| 12/10/90 | 454 | 5 | #103 a3 ft | 2657.6 | 258.8 | 2021.0 | 1601.8 | 243.5 | 104000.4 |
| T-4 | | 7 | #104@5.6ft | | 141.4 | 3374.2 | 80.7 | 3650.6 | 16773.5 |
| A-9/2 | | 8 | #105@9.8ft | 331.0 | 185.1 | 3851.0 | 97.7 | 4243.5 | 31535.1 |
| 12/12/90 | 454 | 5 | #106a3ft | 2644.6 | 225.1 | 313.3 | NO DATA | NO DATA | 81141.8 |
| T-5 | | 7 | #10795.6ft | 374.0 | 109.9 | 2562.1 | 74.5 | 3695.1 | 10811.9 |
| A-9/3 | | . 8 | #108a9.8ft | 259.4 | 179.7 | 3941.7 | 98.6 | 4831.9 | 31404.7 |
| | | | | | | | | | |
| 12/13/90 | 454 | 5 | #109a3ft | 2680.8 | 243.2 | 2985.9 | 1666.5 | 2999.6 | 102441.6 |
| T-6 | | 7 | #110@5.6ft | | 100.0 | 3436.9 | 106.1 | 4046.0 | 16578.4 |
| A- <u>9/</u> 3 | | 88 | #111a9.8ft | 359.5 | 189.0 | 4248.8 | 121.8 | 5044.4 | 39267.8 |
| 12/20/90 | 2-227 | 5 | #112a3ft | 1310.6 | 135.4 | 3701.4 | 1310.6 | NO DATA | 37864.6 |
| A-10 | T-1 | 7 | #113a5.6ft | 630.0 | 169.4 | 4000.1 | 123.2 | 4689.8 | 33200.8 |
| 1/8/01 | 2_227 | E | #1150744 | 1950 0 | 205 4 | 15/4 E | 947 3 | 211 4 | 57990 4 |
| 1/8/91 | 2-227 | 5 | #115a3ft | 1850.8 | 205.6 | 1546.5 | 867.2 | 211.6 | 53889.6 |
| A-10 | T-2 | 7 | #11605.6ft | 678.8 | 183.6 | 4128.2 | 154.8 | 5868.5 | 39177.5 |
| 1/9/91 | 227-454 | 5 | #117a3ft | 1630.9 | 247.1 | 4040.4 | 964.4 | 235.3 | 64744.7 |
| A-10 | T-3 | 7 | #11895.6ft | 387.8 | 170.4 | 4399.2 | 71.1 | 3493.8 | 38377.0 |
| 1/15/91 | 2-227 | E | #110074+ | 2014 0 | 179.4 | 2150 0 | 2014 9 | NO DATA | /977P 7 |
| • | 2-227 | 5 | #119a3ft | 2016.8 | | 2158.8 | 2016.8 | NO DATA | 48328.7 |
| A-10/2 | T-4 | 7 | #120a5.6ft | 621.2 | 202.8 | 4097.2 | 172.1 | 6558.2 | 44179.3 |
| 1/16/91 | 227-454 | 5 | #121 a 3ft | 1483.3 | 237.0 | 2277.2 | 462.6 | 2227.7 | 54499.9 |
| A-10/2 | T-5 | 7 | #122@5.6ft | 508.8 | 178.1 | 4306.1 | 89.5 | 4309.2 | 37321.0 |

Table B-40(cont'd). Sheep gauge pressure-time summary for various ranges in the 3.05 x 2.44 x 2.44- menclosure for configurations A-1 to B-9/2.

| Date and Test | Charge Weight, g | Gauge Number | Sheep Number Distance (ft) | Maximum Peak Pressure Pmax,kPa | Smoothed Peak Pressure Psm,kPa | Maximum Impulse Imax, kPa*ms | Percent | Pressure e Within 20 of Peak 120,kPa*ms | Effective Impulse Power EIP,kPa^2*ms |
|---------------------|------------------------|-----------------|-------------------------------------|---|---|---------------------------------------|---------|--|--|
| 1/25/91 | 227-454 | 5 | #123a3ft | 1306.7 | 236.5 | 5047.2 | 362.4 | 2049.8 | 70064.1 |
| A-10/2 | 7-6 | 7 | #12495.6ft | 327.0 | 169.5 | 4196.0 | 45.8 | 2285.1 | 33772.7 |
| 2/1/91 | 454 | 5 | #125 a 3ft | 2574.4 | 211.6 | 728.0 | NO DATA | NO DATA | 66954.6 |
| T-1 | | 7 | #12605.6ft | 1365.5 | 112.4 | NO DATA | 954.4 | 2550.2 | 12176.0 |
| B-9/2 | | 8 | #12798.9ft | 441.3 | 213.9 | 1116.8 | 137.7 | 3418.4 | 23723.2 |
| 2/5/91 | 454 | 5 | #128 a 3ft | 2348.8 | 269.8 | 375.7 | NO DATA | NO DATA | 92844.4 |
| T-2 | | 7 | #129@5.6ft | 301.0 | 81.5 | 843.5 | NO DATA | NO DATA | NO DATA |
| B-9 | | 8 | #130@8.9ft | 385.3 | 201.5 | 1041.1 | 132.1 | 3126.1 | 24213.0 |
| 2/6/91 | 454 | 5 | #131a3ft | 1832.0 | 210.3 | 547.8 | NO DATA | NO DATA | 55461.2 |
| T-3 | | 7 | #132@5.6ft | 376.6 | 82.0 | 482.7 | 100.3 | 1924.2 | NO DATA |
| B-9 | | 8 | #133a8.9ft | 282.5 | 184.3 | 1154.7 | 106.2 | 2583.8 | 22426.9 |

Table 8-41. Instrumentation cylinder pressure-time summary at the 8 ft/2.44 m range in the $4.88 \times 3.05 \times 2.44$ - m enclosure configuration C-1. Shots with sheep in chamber.

| Date and | Charge | Gauge | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | and Impu | e Pressure Use Within 20 Int of Peak | Effective Impulse Power |
|-------------|-------------|---|-----------------------------|------------------------------|-----------------------------|----------------|--|----------------------------|
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | I2O,kPa*ms | EIP, kPa^2*ms |
| | | | | | | | | |
| 11/5/91 | 57 | 1(80) | 234.0 | 101.5 | 1077.5 | 69.4 | 2970.0 | 6015.3 |
| T18 | | 2(\$0) | 123.9 | 48.8 | 268.2 | 40.1 | 1716.7 | 2060.5 |
| C-1 | | 3(F0)* | 120.3 | 58.9 | 480.3 | 37.7 | 1659.3 | 2990.6 |
| | | 4(SO) | 256.4 | 85.1 | 750.4 | 68.1 | 2720.5 | 5744.6 |
| Mean | | | 204.8 | 78.5 | 698.7 | 59.2 | 2469.1 | 4606.8 |
| SD | | | 70.9 | 27.0 | 407.1 | 16.5 | 663.4 | 2209.3 |
| 11/6/91 | 57 | 1(BO) | 188.6 | 99.9 | 1430.0 | 55.7 | 2400.9 | 5806.3 |
| T19 | • | 2(50) | 183.3 | 47.2 | 281.3 | 59.0 | 2490.1 | 2021.8 |
| C-1 | | 3(F0)* | 101.6 | 55.4 | 299.4 | 27.4 | 1253.7 | 2689.7 |
| | | 4(SO) | 229.4 | 79.3 | 806.3 | 55.4 | 2398.7 | 5125.8 |
| Mean | | .,, | 200.4 | 75.5 | 839.2 | 56.7 | 2429.9 | 4318.0 |
| SD | | | 25.2 | 26.6 | 575.1 | 2.0 | 52.1 | 2017.4 |
| | | | | | | | | |
| 10/30/91 | 113 | 1(BO) | 263.3 | 137.0 | 1523.7 | 73.6 | 3656.2 | 10923.0 |
| T16 | | 2(SO) | 179.6 | 55.2 | 590.0 | 58.5 | 2884.5 | 3756.1 |
| C-1 | | 3(FO)* | 209.3 | 66.3 | 1182.0 | 52.0 | 2402.0 | 5542.3 |
| | | 4(SO) | 583.0 | 121.2 | 1511.4 | 177.8 | 8870.2 | 13200.3 |
| Mean | | | 342.0 | 104.5 | 1208.4 | 103.3 | 5137.0 | 9293.1 |
| SD | | | 212.9 | 43.4 | 535.6 | 65.0 | 3256.0 | 4928.5 |
| 11/1/91 | 113 | 1(BO) | 287.1 | 138.1 | 1573.9 | 89.2 | 4433.4 | 12385.2 |
| T17 | • • • • | 2(\$0) | 176.4 | 63.1 | 594.7 | 57.7 | 2561.5 | 4116.2 |
| C-1 | | 3(FO)* | 204.2 | 64.9 | 967.9 | 58.7 | 2697.7 | 5325.4 |
| • . | | 4(SO) | 694.1 | 131.1 | 1430.0 | 191.1 | 2523.3 | 15302.3 |
| Mean | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 385.9 | 110.8 | 1199.5 | 112.7 | 3172.7 | 10601.2 |
| SD | | | 272.6 | 41.4 | 528.7 | 69.7 | 1091.9 | 5802.5 |
| / /0 /01 | 151 | 1,000 | 500.0 | 220.0 | 2525 4 | 4/5 4 | 7454 4 | 77547 4 |
| 4/9/91 | 454 | 1(BO) | 589.8 | 228.8 | 2525.1 | 145.1 | 7151.1 | 37567.6 |
| T1 C-1 | | 2(SO) 3(FO)* | 908.0 262.4 | 266.6 145.1 | 2858.3 | 318.1 | 3744.3 3010.9 | 33729.8 16137.3 |
| Ų- I | | | | | 2804.4 | 60.2 | | |
| Mean | | 4(SO) | <u>681.3</u> 726.4 | 177.4 224.3 | 2600.6 2661.3 | 187.5 216.9 | 8404.8 6433.4 | 25521.6 32273.0 |
| SD | | | 163.8 | 44.8 | 174.7 | 90.2 | 2411.7 | 6153.7 |
| 30 | | | 103.0 | 44.0 | 114.1 | | | 0133.1 |
| | | | | | | Door> | ' ' | |
| | | | | | | | × | <charge< td=""></charge<> |
| vlinder s | auge number | s and orig | entation | Instrume | nt Cylinder | > | | |
| 1(80) | Back-on to | | | . mati ulic | Uytiimei | • | ــــــــــــــــــــــــــــــــــــــ | |
| 2(50) | Side-on to | | | | | | Enclosure | |
| 3(FO)* | Face-on to | | | | | | Configuration C | -1 |
| | | | | | | | | - |

Table B-41(cont'd). Instrumentation cylinder pressure-time summary at the 8 ft/2.44 m range in the $4.88 \times 3.05 \times 2.44$ - m enclosure configuration C-1. Shots with sheep in chamber.

| Date and | Charge | Gauge | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | and Impu | e Pressure lse Within 20 nt of Peak | Effective Impulse Powe |
|---------------|---------------|-----------------|-----------------------------|------------------------------|-----------------------------|----------------|---|---------------------------|
| Test | Weight, g | Number | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP, kPa 2*ms |
| | | | | | | | | |
| 4/23/91 | 454 | 1(80) | 602.3 | 209.1 | 2789.4 | 159.7 | 7177.3 | 35543.1 |
| T4 | | 2(SO) | 1067.8 | 461.0 | 3999.0 | 349.8 | 12450.5 | 86197.8 |
| C-1 | | 3(FO)* | 278.7 | 141.1 | 2797.5 | 65.0 | 3245.3 | 16544.9 |
| M | | 4(\$0) | 556.1 | 155.1 | 2380.8 | 152.1 | 5470.0 | 24234.8 |
| Mean | | | 742.1 | 275.1 | 3056.4 | 220.5 | 8365.9 | 48658.6 |
| SD | | | 283.0 | 163.3 | 841.5 | 112.0 | 3638.9 | 32998.0 |
| /10/91 | 907 | 1(80) | 961.8 | 404.2 | 4922.7 | 259.4 | 11232.1 | 113999.3 |
| T2 | | 2(SO) | 757.5 | 371.0 | 5288.4 | 231.9 | 9043.7 | 81251.3 |
| C-1 | | 3(FO)* | 505.0 | 238.2 | 5600.2 | 120.9 | 6033.9 | 52347.2 |
| | | 4(SO) | 678.0 | 288.4 | 4963.9 | 151.4 | 6709.0 | 66329.9 |
| Mean | | | 799.1 | 354.5 | 5058.3 | 214.2 | 8994.9 | 87193.5 |
| SD | | | 146.4 | 59.6 | 200.3 | 56.1 | 2261.9 | 24383.9 |
| | _ | | | | | - | | |
| /24/91 | 907 | 1(80) | 1141.0 | 424.4 | 4227.1 | 275.0 | 13564.9 | 113658.0 |
| 75 | | 2(\$0) | 971.3 | 392.1 | 5624.5 | 366.1 | 11215.3 | 94504.0 |
| C-1 | | 3(FO)* | 558.2 | 262.4 | 4955.8 | 115.3 | 5746.0 | 48647.8 |
| | | 4(SO) | 981.5 | 284.2 | 5103.4 | 242.5 | 11911.5 | 70863.4 |
| Mean | | | 1031.3 | 366.9 | 4985.0 | 294.5 | 12230.6 | 93008.5 |
| SD | | | 95.2 | 73.4 | 706.2 | 64.1 | 1206.9 | 21436.5 |
| /11/91 | 1361 | 1(80) | 1569.5 | 577.7 | 5848.5 | 415.5 | 14998.0 | 227143.4 |
| T3 | | 2(50) | 855.5 | 472.1 | 7913.4 | 333.1 | 13205.1 | 165116.2 |
| C-1 | | 3(FO)* | 675.1 | 342.4 | 7012.9 | 159.8 | 7697.8 | 95085.4 |
| | | 4(SO) | 1108.9 | 408.8 | 6201.3 | 302.9 | 11213.5 | 127289.1 |
| Mean | | - | 1178.0 | 486.2 | 6654.4 | 350.5 | 13138.9 | 173182.9 |
| SD | | | 362.0 | 85.3 | 1104.5 | 58.3 | 1893.1 | 50413.5 |
| | 1361 | 1/80> | 1007 5 | 547.2 | 47/7 0 | 200 4 | 17143 4 | 107057 0 |
| 1/25/91 T6 | 1301 | 1(BO) 2(SO) | 1097.5 929.1 | 547.2 476.2 | 6343.8 7211.7 | 298.1 356.2 | 13162.1 15834.9 | 193853.0 148059.3 |
| C-1 | | 2(SU) 3(FO)* | 680.9 | 343.3 | 7500.3 | 182.1 | 8688.4 | 103119.2 |
| U- 1 | | 4(\$0) | 1228.9 | 415.5 | 6589.1 | 309.3 | 14526.7 | 114168.2 |
| Mean | | 7(30) | 1085.2 | 479.6 | 6714.9 | 321.2 | 14507.9 | 152026.8 |
| SD | | | 150.3 | 65.9 | 447.4 | 30.8 | 1336.5 | 39990.3 |
| | | | | | | | | |
| | | | | | | Door> | | |
| | | | | | | | 1 , 1 | <charge< td=""></charge<> |
| | | | | | | | * | charge |
| linder | gauge number: | s and orie | ntation | Instrume | nt Cylinder | > | lo l | |
| 1(BO) | Back-on to | | | • | • • • • | | | |
| 2(SO) | Side-on to | blast | | | | | Enclosure | |
| 3(FO)* | Face-on to | blast | | | | (| Configuration C | -1 |
| 4(SO) | Side-on to | hlast | | | | | | |

Table B-42. Instrumentation cylinder pressure-time summary at the 7 ft/2.13 m range in the $4.88 \times 3.05 \times 2.44$ - m enclosure configuration C-1/2. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | _ | Pressure se Within 20 | Effective |
|----------------|---------------|-------------|-----------------|------------------|--------------------|--------------|--|---------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | • | t of Peak | Impulse Powe |
| Test | Weight, g | Number | | Psm, kPa | kPa*ms | P20, kPa | 120,kPa*ms | EIP, kPa 2*ms |
| 1621 | weight, g | MAIIDEI | Pmax,kPa | rsm, kra | KPa-1115 | PZU,KPA | 12U, KPa-IIIS | CIP, KP8 2"MR |
| 11/13/91 | 57 | 1 | 199.4 | 59.8 | 1390.1 | 69.9 | 3408.3 | 4152.5 |
| T21 | ٥, | 2 | 69.7 | 33.0 | 335.4 | 26.5 | 1306.6 | 1270.4 |
| C-1/2 | | 3* | 116.1 | 34.0 | 406.0 | 31.0 | 1522.2 | 1834.6 |
| U-1/2 | | 4 | 89.3 | 32.6 | 584.5 | 21.0 | 1043.4 | 1378.1 |
| Mean | | 7 | 119.5 | 41.8 | 770.0 | 39.1 | 1919.4 | 2267.0 |
| SD | | | 69.9 | 15.6 | 551.3 | 26.8 | 1296.1 | 1633.8 |
| 30 | | | 07.7 | 15.0 | 751.5 | 20.0 | 1270.1 | 1033.8 |
| 11/21/91 | 113 | 1 | 327.6 | 97.0 | 2085.2 | 108.5 | 5154.5 | 13334.1 |
| T20 | | 2 | 130.4 | 56.6 | 679.0 | 45.7 | 2175.6 | 3531.7 |
| C-1/2 | | 3* | 145.9 | 51.9 | 668.0 | 41.7 | 2038.0 | 3698.3 |
| G-1/2 | | 4 | 157.9 | 59.3 | 1067.7 | 39.6 | 1946.8 | 4265.6 |
| Mean | | • | 205.3 | 71.0 | 1277.3 | 64.6 | 3092.3 | 7043.8 |
| SD | | | _106.8_ | 22.6 | 726.2 | 38.1 | 1789.6 | 5459.9 |
| 30 | | | 100.8 | 22.0 | 720.2 | 30.1 | 1707.0 | 3437.7 |
| 5/1/91 | 454 | 1 | 1046.5 | 208.0 | 1468.7 | 420.7 | 13465.8 | 55126.2 |
| 17 | 7,7 | 5 | 330.7 | 140.3 | 2980.0 | 102.7 | 4943.3 | 18221.4 |
| C-1/2 | | 3* | 443.1 | 144.6 | 2976.7 | 88.0 | 4301.0 | 24656.9 |
| C-1/2 | | 4 | 270.4 | 130.8 | 2840.5 | 94.4 | 4700.7 | 17046.3 |
| Mean | | • | 549.2 | 159.7 | 2429.7 | 205.9 | 7703.3 | 30131.3 |
| SD | | | 431.7 | 42.1 | | 186.0 | 4992.0 | 21654.2 |
| 30 | | | 431./ | 42.1 | 835.2 | 100.0 | 4992.0 | 21034.2 |
| 5/6/91 | 907 | 1 | 824.4 | 199.2 | 1959.7 | 280.2 | 13678.7 | 71621.2 |
| T8 | 701 | ż | 627.4 | 206.3 | 5174.1 | 215.1 | 7092.0 | 47527.5 |
| C-1/2 | | 3* | 597.8 | 210.5 | 5803.9 | 158.8 | 7901.9 | 60525.8 |
| C 1/2 | | 4 | 359.5 | 187.3 | 4961.3 | 84.5 | 4203.4 | 42853.6 |
| Mean | | - | 603.8 | 197.6 | 4031.7 | 193.3 | 8324.7 | 54000.8 |
| SD | | | 233.3 | 9.6 | 1797.6 | 99.7 | 4856.4 | 15437.7 |
| 30 | | | 233.3 | 7.0 | 1777.0 | 77.1 | 4620.4 | 13437.7 |
| 5/14/91 | 1361 | 1 | 1445.9 | 310.7 | 2917.0 | 556.7 | 14893.7 | 180332.1 |
| 1-9 | 1301 | ž | 868.7 | 353.3 | 7174.5 | 350.9 | 10888.6 | 120548.1 |
| C-1/2 | | 3* | 974.0 | 255.8 | 6668.1 | 231.4 | 7246.7 | 97112.5 |
| C 1/2 | | 4 | 558.0 | 251.2 | 6919.9 | 116.9 | 5843.7 | 77155.0 |
| Mean | | 7 | 957.5 | 305.1 | 5670.5 | 341.5 | 10542.0 | 126011.7 |
| SD | | | 450.6 | 51.3 | 2388.0 | 220.1 | 4534.9 | 51805.1 |
| | | | 430.0 | 7,.3 | 2300.0 | 220.1 | 4334.7 | 31003.1 |
| | | | | | Door> | | 7 | |
| | | | | | 5001> | 1, | | |
| | | | | | | × | <charge< td=""><td></td></charge<> | |
| | | | | | | _ ^ | , Charge | |
| ulindas d | | s and asia | ntation | | | | <instrumen< td=""><td>t Culinder</td></instrumen<> | t Culinder |
| | gauge number: | | milation | - | | | | c cycinder |
| 1(80) | Back-on to | | | | | Enclosure | | |
| 2(SO) | Side-on to | | | | A | | -1/2 | |
| 3(FO)* | Face-on to | | | | uon | figuration (| 1/2 | |
| 4(SO) Gauge | Side-on to | | culate mean. | | Note. | | ite ambient p | |

Table B-43. Instrumentation cylinder pressure-time summary at the 8 ft/2.44 m range in the $4.88 \times 3.05 \times 2.44$ - m enclosure configuration C-1/3. Shots with sheep in chamber.

| Date and | Charge | Gauge | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | and Impuls | Pressure se Within 20 t of Peak | Effective Impulse Power |
|-------------|--------------|------------|-----------------------------|------------------------------|-----------------------------|--------------|--|----------------------------|
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | I20,kPa*ms | EIP, kPa 2*ms |
| | | | | | | | | |
| 11/20/91 | 57 | 1(80) | 145.4 | 99.3 | 1101.3 | 44.7 | 2099.0 | 5303.8 |
| T23 | | 2(SO) | 178.9 | 62.7 | 280.5 | 73.0 | 2926.6 | 3533.8 |
| C-1/3 | | 3(FO)* | 113.1 | 44.6 | 431.6 | 28.6 | 1334.1 | 1848.6 |
| | | 4(SO) | 237.8 | 53.7 | 415.6 | 58.8 | 2362.8 | 1698.6 |
| Mean | | | 187.4 | 71.9 | 599.1 | 58.8 | 2462.8 | 3512.1 |
| SD | | | 46.8 | 24.2 | 440.1 | 14.2 | 422.8 | 1802.7 |
| 11/19/91 | 113 | 1(80) | 277.1 | 135.5 | 1641.7 | 82.8 | 4119.0 | 11004.5 |
| T22 | | 2(\$0) | 312.3 | 98.5 | 648.6 | 94.8 | 4708.8 | 8117.6 |
| C-1/3 | | 3(FO)* | 131.9 | 62.1 | 943.8 | 45.8 | 2272.1 | 4276.9 |
| ,- | | 4(SO) | 212.9 | 66.9 | 895.9 | 45.4 | 2056.7 | 3180.1 |
| Mean | | .,00, | 267.4 | 100.3 | 1062.1 | 74.3 | 3628.2 | 7434.1 |
| SD | | | 50.4 | 34.3 | 517.0 | 25.8 | 1392.5 | 3956.7 |
| | | | | | | | .572.5 | |
| 5/20/91 | 454 | 1(80) | 941.2 | 244.1 | 4131.3 | 274.2 | 13479.6 | 40419.6 |
| T10 | | 2(\$0) | 1695.3 | 251.1 | 9954.7 | 737.5 | 1563.6 | 52754.6 |
| C-1/3 | | 3(FO)* | 432.7 | 162.5 | 3135.4 | 78.0 | 3887.1 | 17825.1 |
| • .,• | | 4(SO) | 512.7 | 198.9 | 2880.8 | 137.0 | 6318.8 | 21500.9 |
| Mean | | ,,,,,, | 1049.7 | 231.4 | 5655.6 | 382.9 | 7120.7 | 38225.0 |
| SD | | | 598.7 | 28.3 | 3775.3 | 314.7 | 5998.3 | 15742.0 |
| 5 104 104 | | 4.000 | 252.0 | 704 7 | 4554 | 740.6 | 4774/ 7 | 04700.0 |
| 5/21/91 | 907 | 1(80) | 952.9 | 391.3 | 6254.4 | 319.5 | 13314.7 | 91302.2 |
| T11 | | 2(\$0) | 1114.8 | 364.2 | 8142.1 | 346.9 | 11839.1 | 76003.3 |
| C-1/3 | | 3(FO)* | 476.2 | 226.7 | 4675.0 | 105.4 | 4916.2 | 44208.4 |
| M | | 4(SO) | 682.0 | 307.9 | 4924.5 | 190.1 | 8709.1 | 58840.8 |
| Mean | | | 916.6 | 354.5 | 6440.3 | 285.5 | 11287.6 | 75382.1 |
| SD | | | 218.7 | 42.5 | 1616.8 | 83.7 | 2351.8 | 16239.6 |
| 5/22/91 | 1361 | 1(BO) | | | | | | |
| T12 | | 2(SO) | | | NO DATA | | | |
| C-1/3 | | 3(F0)* | | | | | | |
| | | 4(SO) | | | | | | |
| Mean | | | | | | | | |
| SD | | | | | | | | |
| | | | | | Door> | | ר | |
| | | | | | , | , | | |
| | | | | | | x | <charge< td=""><td></td></charge<> | |
| ylinder g | auge number | s and orie | ntation | _ | | | <instrument< td=""><td>t Cylinder</td></instrument<> | t Cylinder |
| 1(BO) | Back-on to | blast | | - | • | | _ | |
| 2(50) | Side-on to | blast | | | | Enclosure | | |
| 3(FO)* | Face-on to | blast | | | Con | figuration C | -1/3 | |
| 4(SO) | Side-on to | | ulata mass | | Note | Pecording si | te ambient s | raccura = 97 |
| Gauge | no.3 not us | ed to calc | ulate mean. | | Note. | Recording si | te ambient p | ressure = 83 k |

Table B-44. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the $4.88 \times 3.05 \times 2.44$ - m enclosure configuration C-1/4. Shots with sheep in chamber.

| Date and | Charge | Gauge | Maximum Peak Pressure | Smoothed Peak Pressure | Maximum Impulse Imax, | * | Pressure e Within 20 of Peak | Effective Impulse Power |
|-------------|----------------------------|-------------|-----------------------------|------------------------------|-----------------------------|----------|------------------------------------|---|
| Test | Weight, g | Number | Pmax, kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 11/27/91 | 57 | 1 | 275.5 | 73.7 | 1020.0 | 91.7 | 4190.5 | 5943.6 |
| T25 | | 2 | 98.6 | 46.7 | 141.3 | 39.3 | 1833.8 | 2153.8 |
| C-1/4 | | 3* | 258.9 | 47.6 | 399.4 | 60.3 | 2365.6 | 2633.5 |
| - '• | | 4 | 99.7 | 55.7 | 475.4 | 12.7 | 614.6 | 1932.4 |
| Mean | | | 157.9 | 58.7 | 545.6 | 47.9 | 2213.0 | 3343.3 |
| SO | | | 101.8 | 13.7 | 443.5 | 40.2 | 1817.9 | 2254.7 |
| 11/26/91 | 113 | . 1 | 474.3 | 98.8 | 1826.2 | 141.9 | 6985.5 | 12985.2 |
| T24 | | ż | 136.5 | 65.4 | 524.8 | 52.4 | 2617.0 | 4251.5 |
| C-1/4 | | 3* | 458.4 | 76.1 | 617.9 | 196.7 | 2223.9 | 6035.9 |
| 0 1,7 | | 4 | 192.8 | 75.8 | 950.2 | 35.4 | 1761.8 | 3856.7 |
| Mean | | • | 267.9 | 80.0 | 1100.4 | 76.6 | 3788.1 | 7031.1 |
| SD | | | 181.0 | 17.1 | 663.6 | 57.2 | 2801.9 | 5160.2 |
| | | • | | | | | | |
| 6/4/91 | 454 | 1 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| T 13 | | 2 | 444.9 | 117.3 | 3330.4 | 151.5 | 4642.8 | 10359.5 |
| C-1/4 | | 3* | 1789.8 | 181.3 | 2068.2 | 758.3 | 6785.3 | 40759.1 |
| | | 4 | 403.3 | 129.2 | 2133.2 | 74.3 | 3392.2 | 11969.4 |
| Mean | | | 424.1 | 123.3 | 2731.8 | 112.9 | 4017.5 | 11164.5 |
| SD | | | 29.4 | 8.4 | 846.5 | 54.6 | 884.3 | 1138.4 |
| 6/5/91 | 907 | 1 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| T14 | | 2 | 987.5 | 194.9 | 8310.7 | 313.3 | 5187.6 | 38604.0 |
| C-1/4 | | 3* | 2618.8 | 249.6 | 3383.8 | 831.3 | 6254.8 | 98382.4 |
| • ,, . | | 4 | 795.2 | 169.8 | 2096.0 | 254.4 | 4332.2 | 24556.5 |
| Mean | | • | 891.4 | 182.4 | 5203.4 | 283.9 | 4759.9 | 31580.3 |
| SD | | | 136.0 | 17.7 | 4394.5 | 41.6 | 604.9 | 9933.1 |
| 6/6/91 | 1361 | 1 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| T15 | 1501 | 2 | 1005.6 | 318.2 | 8076.1 | 321.7 | 5681.2 | 98699.4 |
| C-1/4 | | 3* | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| G-1/4 | | 4 | 1337.9 | 272.4 | 8390.6 | 385.1 | 6780.0 | 101973.8 |
| Mean | | - | 1171.8 | 295.3 | 8233.4 | 353.4 | 6230.6 | 100336.6 |
| SD | | | 235.0 | 32.4 | 222.4 | 44.8 | 777.0 | 2315.4 |
| | | | | 32.4 | | Door> | | 2313.4 |
| | | | | | | | · | |
| | | - | | | | Charge> | × ° | <instrument Cylinder</instrument |
| /linder (| auge number: Back-on to | | ntation | • | | | | |
| 2(\$0) | Side-on to | | | | | | Enclosure | |
| 3(FO)* | face-on to | | | | | Con | figuration C- | 1/4 |
| 4(SO) | Side-on to | | | | | | | •• |
| Gauge | no.3 not use | | | | Note. | . | | essure = 83 kPa |

Table 8-45. Instrumentation cylinder mean values at the 8 ft/2.44 m range in the 3.05 x 2.44 x 2.44- m $\,$

enclosure for configurations C-1 and C-1/3. Shots with sheep in the chamber.

| | | | Maximum Peak | Smoothed Peak | Maximum Impulse | • | Pressure se Within 20 | Effective |
|----------|---------------------|--------------------|----------------------|---------------------|--------------------|--------------------|--------------------------|---|
| Date | Charge Weight, g | Config- uration | Pressure Pmax,kPa | Pressure Psm,kPa | imax, kPa*ms | Percent P20,kPa | t of Peak I20,kPa*ms | Impulse Power EIP,kPa ² *ms |
| 11/5/91 | 57 | C-1 | 204.8 | 78.5 | 698.7 | 59.2 | 2469.1 | 4606.8 |
| 11/6/91 | | C-1 | 200.4 | <i>7</i> 5.5 | 839.2 | 56.7 | 2429.9 | 4318.0 |
| 11/20/91 | | C-1/3 | 187.4 | 71.9 | 599.1 | 58.8 | 2462.8 | 3512.1 |
| Mean | | | 197.5 | 75.3 | 712.3 | 58.2 | 2453.9 | 4145.6 |
| SD | | | 9.0 | 3.3 | 120.6 | 1.3 | 21.1 | 567.3 |
| 10/30/91 | 113 | C-1 | 342.0 | 104.5 | 1208.4 | 103.3 | 5137.0 | 9293.1 |
| 11/1/91 | _ | C-1 | 385.9 | 110.8 | 1199.5 | 112.7 | 3172.7 | 10601.2 |
| 11/19/91 | | C-1/3 | 267.4 | 100.3 | 1062.1 | 74.3 | 3628.2 | 7434.1 |
| Mean | | | 331.8 | 105.2 | 1156.7 | 96.8 | 3979.3 | 9109.5 |
| SD | | | 59.9 | 5.3 | 82.0 | 20.0 | 1028.1 | 1591.5 |
| 4/9/91 | 454 | C-1 | 726.4 | 224.3 | 2661.3 | 216.9 | 6433.4 | 32273.0 |
| 4/23/91 | | C-1 | 742.1 | 275.1 | 3056.4 | 220.5 | 8365.9 | 48658.6 |
| 5/20/91 | | C-1/3 | 1049.7 | 231.4 | 5655.6 | 382.9 | 7120.7 | 38255.0 |
| Mean | | - • | 839.4 | 243.6 | 3791.1 | 273.4 | 7306.7 | 39728.9 |
| SD | | | 182.3 | 27.5 | 1626.7 | 94.8 | 979.6 | 8291.6 |
| 4/10/91 | 907 | C-1 | 799.1 | 354.5 | 5058.3 | 214.2 | 8/94.9 | 87193.5 |
| 4/24/91 | | C-1 | 1002.7 | 435.9 | 6219.6 | 294.5 | 12230.6 | 137591.9 |
| 5/21/91 | | C-1/3 | 916.6 | 354.5 | 6440.3 | 285.5 | 11287.6 | 75382.1 |
| Mean | | | 906.1 | 381.6 | 5906.1 | 264.7 | 10837.7 | 100055.8 |
| SD | | | 102.2 | 47.0 | 742.4 | 44.0 | 1664.1 | 33039.3 |
| 4/11/91 | 1361 | C-1 | 1178.0 | 486.2 | 6654.4 | 350.5 | 13138.9 | 173182.9 |
| 4/25/91 | | C-1 | 1085.2 | 479.6 | 6714.9 | 321.2 | 14507.9 | 152026.8 |
| 5/22/91 | | C-1/3 | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 1131.6 | 482.9 | 6684.7 | 335.9 | 13823.4 | 162604.9 |
| SD | | | 32.8 | 2.3 | 21.4 | 10.4 | 484.0 | 7479.8 |

Enclosure
Configurations C-1 and C-1/3

Instrumentation cylinder = 0 Note. Recording site ambient pressure = 83 kPa

Table 8-46. Instrumentation cylinder pressure-time summary at the 4.2 ft/1.28 m range in the $3.05 \times 1.52 \times 2.44$ - m enclosure configuration D-1. Shots with sheep in chamber

| Date and | Charge | Gauge | Peak Pressure | Peak Pressure | Maximum Impulse Imax, | • | e Within 20 of Peak | Effective Impulse Power |
|----------------|-----------|--------------|------------------|------------------|-----------------------------|---------------|------------------------|----------------------------|
| Test | Weight, | | Pmax, kPa | Psm, kPa | kPa*ms | P20, kPa | I20, kPa*ms | EIP, kPa 2*ms |
| | | | | | | | | |
| 7/1/91 | 113 | 1(80) | 377.6 | 140.5 | 1219.3 | 126.9 | 4228.9 | 13906.4 |
| τ1 | | 2(\$0) | 261.3 | 117.6 | 2016.2 | 95.4 | 1934.3 | 11876.1 |
| D-1 | | 3(FO)* | 359.3 | 80.2 | 1697.8 | 98.7 | 2222.1 | 8784.8 |
| | | 4(50) | 403.0 | 122.1 | 1784.9 | 107.5 | 3011.9 | 16619.2 |
| Mean | | | 347.3 | 126.7 | 1673.5 | 109.9 | 3058.4 | 14133.9 |
| SD | | | 75.6 | 12.1 | 410.0 | 15.9 | 1148.0 | 2379.7 |
| 7/9/91 | 113 | 1(80) | 366.1 | 136.4 | 1283.3 | 94.7 | 3151.4 | 12484.2 |
| T4 | | 2(\$0) | 410.1 | 129.9 | 2017.3 | 162.8 | 2822.2 | 13286.0 |
| D-1 | | 3(FO)* | 497.4 | 83.4 | 1884.2 | 159.3 | 3500.5 | 9138.4 |
| • • | | 4(SO) | 1217.8 | 134.7 | 1813.6 | 403.5 | 1391.2 | 16987.7 |
| Mean | | .,,,,, | 664.7 | 133.7 | 1704.7 | 220.3 | 2454.9 | 14252.6 |
| SD | | | 479.5 | 3.4 | 378.9 | 162.2 | 935.8 | 2402.3 |
| 7/2/91 | 227 | 1(80) | 614.5 | 150.2 | 1439.4 | 200.5 | 5454.2 | 24797.0 |
| T2 | 221 | 2(\$0) | 854.4 | 178.4 | 3742.0 | 307.0 | 4475.7 | 30886.4 |
| D-1 | | 3(FO)* | 670.6 | 135.9 | 3288.9 | 165.2 | 3246.4 | 26214.7 |
| <i>D</i> 1 | | 4(SO) | 714.0 | 208.3 | 3165.8 | 180.9 | 5461.6 | 40866.3 |
| Mean | | 4(30) | 727.6 | 179.0 | 2782.4 | 229.5 | 5130.5 | 32183.2 |
| SD | | | 120.5 | 29.1 | 1198.2 | 67.9 | 567.1 | 8112.8 |
| 7,40,404 | 207 | 4.00 | (45.0 | 457.0 | 4305.0 | 400 / | 20/0.0 | 2/270 5 |
| 7/10/91 | 227 | 1(80) | 615.8 | 153.8 | 1205.8 | 189.4 | 2868.9 | 24278.5 |
| 15 | | 2(\$0) | 659.5 | 185.4 | 3399.5 | 255.6 | 3872.9 | 34635.3 |
| D-1 | | 3(FO)* | 727.6 | 132.9 | 3196.8 | 203.4 | 3964.5 | 25915.9 |
| | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean SD | | | 637.7 30.9 | 169.6 22.3 | 2302.7 | 222.5 | 3370.9 709.9 | 29456.9 |
| SU | | | 30.9 | 22.3 | 1551.2 | 46.8 | 709.9 | 7323.4 |
| 7/3/91 | 454 | 1(80) | 991.8 | 263.8 | 3905.4 | 380.1 | 4941.0 | 70267.0 |
| T3 | | 2(\$0) | 553.7 | 243.8 | 6405.4 | 179.3 | 5286.3 | 71378.6 |
| D-1 | | 3(FO)* | 1391.8 | 212.2 | 5355.9 | 458.8 | 7459.8 | 74289.1 |
| | | 4(\$0) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 772.8 | 253.8 | 5155.4 | 279.7 | 5113.7 | 70822.8 |
| SD | ·-· | ······ | 309.8 | 14.1 | 1767.8 | 142.0 | 244.2 | 786.0 |
| 7/11/91 | 454 | 1(80) | 1263.3 | 231.2 | 2792.6 | 386.9 | 4872.9 | 53957.6 |
| T6 | | 2(\$0) | 1059.9 | 292.4 | 8780.9 | 417.2 | 5283.3 | 85863.7 |
| D-1 | | 3(FO)* | 1386.2 | 232.0 | 4919.6 | 544.7 | 8699.6 | 85607.7 |
| | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 1161.6 | 261.8 | 5786.8 | 402.1 | 5078.1 | 69910.7 |
| SD | | | 143.8 | 43.3 | 4234.4 | 21.4 | 290.2 | 22561.0 |
| | | | | | | 1 | | |
| | | | | | | Door> | \ <u>.</u> | |
| | | | | | | Charge> | × _ | |
| | | | meneis- | | | | <u>_</u> | < Instrument |
| | | ers and orie | ntation | - | | | Cool cours | Cylinder |
| 1(BO) | Back-on t | | | | | A = | Enclosure | _1 |
| 2(SO) | Side-on t | | | | | Co | nfiguration D | - 1 |
| 3(FO)* | Face-on t | | | | | | | |
| 4(SO) Gauge | Side-on t | | ulate mean. | | Note. | Recording sit | | |

Table B-47. Instrumentation cylinder pressure-time summary at the 4 ft/1.22 m range in the $3.05 \times 1.52 \times 2.44$ - m enclosure configuration D-1/2. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | Average in and impulse | ressure Within 20 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|------------------------|-----------------------|---|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | lmax, kPa*ms | Percent P20,kPa | of Peak I2O,kPa*ms | Impulse Power EIP,kPa ² *ms |
| 7/24/91 | 113 | 1(80) | 380.1 | 112.0 | 410.2 | 148.1 | 5554.8 | 8814.9 |
| T7 | | 2(SO) | 214.6 | 96.9 | 1886.1 | 76.8 | 3014.7 | 8508.7 |
| D-1/2 | | 3(FO)* | 455.2 | 75.5 | 1755.8 | 137.0 | 2311.1 | 10577.0 |
| | | 4(SO) | 482.6 | 133.1 | 1723.0 | 148.2 | 4013.9 | 16305.9 |
| Mean | | | 359.1 | 114.0 | 1339.8 | 124.4 | 4194.5 | 11209.8 |
| SD | | | 135.2 | 18.2 | 809.1 | 41.2 | 1279.6 | 4416.0 |
| 7/25/91 | 227 | 1(BO) | 796.8 | 222.2 | 1448.9 | 224.9 | 7671.9 | 35737.4 |
| T8 | | 2(50) | 398.6 | 146.4 | 3242.0 | 133.0 | 3815.5 | 20302.7 |
| D-1/2 | | 3(FO)* | 908.7 | 137.4 | 2567.9 | 354.6 | 2442.2 | 22436.9 |
| | | 4(SO) | 985.1 | 186.7 | 3023.2 | 270.9 | 5358.7 | 32373.4 |
| Mean | | | 726.8 | 185.1 | 2571.4 | 209.6 | 5615.4 | 29471.2 |
| SD | | | 299.4 | 37.9 | 978.2 | 70.2 | 1941.0 | 8116.3 |
| 7/26/91 | 454 | 1(BO) | 1709.0 | 244.8 | 1335.0 | 547.9 | 6697.2 | 74226.9 |
| T9 | | 2(50) | 828.2 | 227.9 | 5243.0 | 255.9 | 6172.6 | 58102.2 |
| D-1/2 | | 3(F0)* | 1910.8 | 235.1 | 4278.4 | 717.1 | 1781.4 | 74697.4 |
| | | 4(SO) | 73 7.7 | 241.6 | 5437.8 | 208.0 | 5763.4 | 68640.8 |
| Mean | | | 1091.6 | 238.1 | 4005.3 | 337.3 | 6211.1 | 66990.0 |
| SD | | | 536.6 | 9.0 | 2314.6 | 184.0 | 468.1 | 8188.1 |

| | | Charge> x o <instrument cylinder<="" th=""></instrument> |
|-------------------|---|--|
| Cylinder 1(BO) | gauge numbers and orientation Back-on to blast | Enclosure |
| 2(50) | Side-on to blast | Configuration D-1/2 |
| 3(F0)* 4(S0) | Face-on to blast Side-on to blast | |
| 1 | no.3 not used to calculate mean. | Note. Recording site ambient pressure = 83 kPa |

Table B-48. Instrumentation cylinder pressure-time summary at the 4.2 ft/1.28 m range in the $3.05 \times 1.52 \times 2.44$ - m enclosure configuration D-1/3. Shots with sheep in chamber.

| Date | • | A | Maximum Peak | Smoothed Peak | Maximum Impulse | and Impuls | Pressure se Within 20 | Effective |
|-------------|---------------------|-----------------|----------------------|---------------------|--------------------|--------------------|--------------------------|-------------------------------|
| and Test | Charge Weight, g | Gauge Number | Pressure Pmax,kPa | Pressure Psm,kPa | Imax, kPa*ms | Percent P20,kPa | t of Peak I20,kPa*ms | Impulse Power EIP,kPa^2*ms |
| 7/31/91 | 113 | 1(80) | 450.0 | 108.1 | 1502.8 | 132.4 | 5960.4 | 11600.1 |
| T10 | | 2(\$0) | 377.3 | 114.1 | 1767.7 | 143.9 | 3369.8 | 12947.2 |
| D-1/3 | | 3(F0)* | 343.0 | 77.0 | 1573.0 | 99.5 | 3226.0 | 7545.3 |
| | | 4(SO) | 306.3 | 106.9 | 1746.9 | 70.7 | 3248.4 | 9199.4 |
| Mean | | | 377.9 | 109.7 | 1672.5 | 115.7 | 4192.9 | 11248.9 |
| SD | | | 71.9 | 3.9 | 147.3 | 39.4 | 1531.9 | 1898.4 |
| 8/1/91 | 227 | 1(80) | 956.1 | 165.6 | 2226.6 | 298.5 | 4189.4 | 28251.4 |
| T11 | | 2(50) | 618.9 | 180.5 | 3213.8 | 218.8 | 3094.8 | 25145.9 |
| D-1/3 | | 3(FO)* | 704.4 | 128.9 | 3358.6 | 201.6 | 3127.6 | 26308.9 |
| | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | | 787.5 | 173.1 | 2720.2 | 258.7 | 3642.1 | 26698.7 |
| SD | | | 238.4 | 10.5 | 698.1 | 56.4 | 774.0 | 2195.9 |
| 8/2/91 | 454 | 1(80) | 1021.2 | 249.8 | 2728.4 | 262.8 | 4679.5 | 55026.9 |
| 112 | | 2(SO) | 1244.2 | 289.7 | 6071.4 | 451.7 | 8002.3 | 109083.1 |
| D-1/3 | | 3(FO)* | 1443.7 | 209.0 | 4050.2 | 460.2 | 3659.7 | 69265.5 |
| | | 4(SO) | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA | NO DATA |
| Mean | | • | 1132.7 | 269.8 | 4399.9 | 357.3 | 6340.9 | 82055.0 |
| SD | | | 157.7 | 28.2 | 2363.9 | 133.6 | 2349.6 | 38223.5 |

| | | Door> Charge> | x 0 | <instrument Cylinder</instrument |
|----------|----------------------------------|---------------------|---------------|---|
| Cylinder | gauge numbers and orientation | | | |
| 1(BO) | Back-on to blast | | Enclosure | |
| 2(SO) | Side-on to blast | Con | figuration D- | 1/3 |
| 3(FO)* | Face-on to blast | | | |
| 4(SO) | Side-on to blast | | | |
| * Gauge | no.3 not used to calculate mean. | Note. Recording sit | ambient pres | sure = 83 kPa |

Table 8-49. Instrumentation cylinder pressure-time summary at the 3 ft/0.91 m range in the $3.05 \times 1.52 \times 2.44$ - m enclosure configuration 0-1/4. Shots with sheep in chamber.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | Average and Impuls | Pressure e Within 20 | Effective |
|-----------------|--------------------------|-------------|-----------------|------------------|--------------------|--------------------|----------------------------|---------------------------|
| and | Charge | Gauge | Pressure | Pressure | Imax, | | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P2O,kPa | 120,kPa*ms | EIP,kPa^2*ms |
| 8/8/91 | 113 | 1(80) | 223.4 | 124.9 | 2138.6 | 49.2 | 2384.4 | 11653.7 |
| T13 | | 2(SO) | 625.2 | 137.1 | 1410.7 | 288.9 | 1517.3 | 16259.7 |
| D-1/4 | | 3(FO)* | 12281.1 | 101.4 | 1647.5 | 1228.1 | NO DATA | 15202.8 |
| | | 4(SO) | 282.3 | 96.3 | 2580.9 | 43.3 | 2146.4 | 14882.2 |
| Mean | | | 377.0 | 119.4 | 2043.4 | 127.1 | 2016.0 | 14265.2 |
| SD | | | 217.0 | 20.9 | 590.9 | 140.1 | 448.0 | 2364.2 |
| 8/9/91 | 227 | 1(80) | 645.8 | 231.6 | 3226.9 | 164.8 | 5751.7 | 29499.1 |
| T14 | | 2(SO) | 1425.2 | 205.2 | 1783.4 | 536.6 | 2475.0 | 45469.7 |
| D/1/4 | | 3(FO)* | 2112.0 | 179.2 | 4106.3 | 1258.3 | 221.5 | 52824.8 |
| | | 4(SO) | 467.9 | 137.1 | 3596.5 | 92.7 | 4303.9 | 28449.4 |
| Mean | | | 846.3 | 191.3 | 2868.9 | 264.7 | 4176.9 | 34472.7 |
| SD | | | 509.2 | 48.8 | 958.1 | 238.2 | 1642.0 | 9538.1 |
| 8/13/91 | 454 | 1(BO) | 638.6 | 285.4 | 5217.5 | 202.0 | 7418.7 | 79532.3 |
| T15 | | 2(SO) | 2537.5 | 322.4 | 3494.6 | 1196.6 | 2354.9 | 107554.8 |
| D-1/4 | | 3(FO)* | 2931.5 | 239.8 | 3344.2 | 2931.5 | NO DATA | 95967.3 |
| | | 4(SO) | 839.5 | 208.2 | 5244.4 | 185.7 | 5615.4 | 59552.4 |
| Mean | | | 1338.5 | 272.0 | 4652.2 | 528.1 | 5129.7 | 82213.2 |
| SD | · | | 1043.2 | 58.3 | 1002.6 | 579.0 | 2566.6 | 24113.2 |
| | | | | | Instrument | Cylinder> | \ | <charge< td=""></charge<> |
| linder (| auge number: | | ntation | • | | | Faalaavaa | |
| 2(\$0) | Back-on to Side-on to | | | | | Com | Enclosure figuration D- | 1 / 4 |
| 2(SO) 3(FO)* | Face-on to | | | | | con | i iguration 0- | 1/4 |
| 4(SO) | Side-on to | | | | | | | |

Note. Recording site ambient pressure = 83 kPa

Gauge no.3 not used to calculate mean.

Table 8-50. Instrumentation cylinder mean values at the 4.2 ft/1.28 m range in the 3.05 x 1.52 x 2.44- m $\,$

enclosure for configurations D-1 and D-1/3. Shots with sheep in chamber.

| | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure se Within 20 | Effective |
|---------|-----------|---------|-----------------|------------------|--------------------|---------|--------------------------|--------------------------|
| | Charge | Config- | Pressure | Pressure | imax, | Percent | of Peak | Impulse Power |
| Date | Weight, g | uration | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP,kPa ² *ms |
| 7/1/91 | 113 | 0-1 | 347.3 | 126.7 | 1673.5 | 109.9 | 3058.4 | 14133.9 |
| 7/9/91 | | D-1 | 664.7 | 133.7 | 1704.7 | 220.3 | 2454.9 | 14252.6 |
| 7/31/91 | | D-1/3 | 377.9 | 109.7 | 1672.5 | 115.7 | 4192.9 | 11248.9 |
| Mean | | | 463.3 | 123.4 | 1683.6 | 148.6 | 3235.4 | 13211.8 |
| SD | | | 175.1 | 12.3 | 18.3 | 62.1 | 882.4 | 1701.0 |
| 7/2/91 | 227 | D-1 | 727.6 | 179.0 | 2782.4 | 229.5 | 5130.5 | 32183.2 |
| 7/10/91 | | D-1 | 637.7 | 169.6 | 2302.7 | 222.5 | 3370.9 | 29456.9 |
| 8/1/91 | | 0-1/3 | 787.5 | 173.1 | 2720.2 | 258.7 | 3642.1 | 26698.7 |
| Mean | | | 717.6 | 173.9 | 2601.8 | 236.9 | 4047.8 | 29446.3 |
| SD | | | 75.4 | 4.8 | 260.9 | 19.2 | 947.4 | 2742.3 |
| 7/3/91 | 454 | D-1 | 772.8 | 253.8 | 5155.4 | 279.7 | 5113.7 | 70822.8 |
| 7/11/91 | | D-1 | 1161.6 | 261.8 | 5786.8 | 402.1 | 5078.1 | 69910.7 |
| 8/2/91 | | D-1/3 | 1132.7 | 269.8 | 4399.9 | 357.3 | 6340.9 | 82055.0 |
| Mean | | | 1022.4 | 261.8 | 5114.0 | 346.4 | 5510.9 | 74262.8 |
| SD | | | 216.6 | 8.0 | 694.4 | 61.9 | 719.0 | 6763.6 |

Enclosure
Configurations D-1and D-1/3

Instrumentation Cylinder = o

Table B-51. Instrumentation cylinder pressure-time summary for the freefield orientation effects experiments at 1.22 and 2.44 m(4 and 8 ft) from 1361-g charge detonations.

| | | | Maximum | Smoothed | Maximum | Average | Pressure | page - proceduration in page process to the |
|-----------------|----------|-----------------|------------------|---------------|----------------|-----------------|------------------|---|
| Date | | | Peak | Peak | Impulse | - | e Within 20 | Effective |
| | Charge | Gauge | Pressure | Pressure | Imax, | Percent | of Peak | Impulse Power |
| Test We | eight, g | Number | Pmax,kPa | Psm, kPa | kPa*ms | P20,kPa | 120,kPa*ms | EIP, kPa 2*ms |
| | | | | | | | | |
| 9/4/91 | 1361 | 1(BO) | 408.4 | 111.2 | No Data | 139.0 | 335.2 | 6914.6 |
| T01 | | 2(SO) | 732.4 | 59.3 | 83.2 | 295.0 | 88.5 | 9601.4 |
| Orientation | | 3(FO)* | 5338.6 | 326.4 | 458.8 | 5338.6 | 0.0 | 200970.2 |
| 1.22m | | 4(SO) | 897.9 | 76.9 | No Data | 401.8 | 561.0 | 9801.7 |
| Mean | | | 679.6 | 82.5 | 83.2 | 278.6 | 328.2 | 8772.6 |
| SD | | | 249.0 | 26.4 | | 132.2 | 236.3 | 1612.2 |
| 9/5/91 | 1361 | 1(80) | 442.0 | 116.0 | No Data | 206.0 | 544.7 | 7823.2 |
| TO2 | 1301 | 2(SO) | 801.2 | 66.0 | 92.2 | 266.4 | 432.7 | 11121.3 |
| Orientation | | 2(30) 3(FO)* | 5408.2 | 313.4 | 441.5 | 3249.6 | 376.9 | 189781.4 |
| 1.22m | | 4(SO) | 1008.6 | 81.7 | 109.3 | 322.3 | 690.4 | 10031.8 |
| Mean | | 4(30) | 750.6 | 87.9 | 100.8 | 264.9 | 555.9 | 9658.8 |
| SD | | | 286.7 | 25.6 | 12.1 | 58.2 | 129.2 | 1680.4 |
| 30 | | | 200.7 | 27.0 | 12.1 | 30.2 | 127.2 | 1000.4 |
| 9/9/91 | 1361 | 1(BO) | 507.4 | 98.3 | NoData | 307.5 | 147.6 | 6165.5 |
| T03 | | 2(SO) | 687.4 | <i>7</i> 3.1 | 102.0 | 422.6 | 682.9 | 9267.1 |
| Orientation | | 3(FO)* | 4804.7 | 345.3 | 484.7 | 3214.8 | 411.5 | 173881.1 |
| 1.22m | | 4(SO) | 972.1 | 84.4 | 159.6 | 368.4 | 554.1 | 8942.3 |
| Mean | | | 722.3 | 85.3 | 130.8 | 366.2 | 461.5 | 8125.0 |
| SD | | | 234.3 | 12.6 | 40.7 | 57.6 | 279.4 | 1704.7 |
| 9/10/93 | 1361 | 1(80) | 566.7 | 124.4 | NaDana. | 165.9 | 305.3 | 8523.7 |
| 7/10/93 TO4 | 1301 | Z(SO) | | 81.7 | NoData | | | |
| Orientation | | 2(50) 3(F0)* | 1004.0 7102.6 | 474.4 | 189.8 618.8 | 651.6 7102.6 | 943.6 NO DATA | 9425.3 297230.6 |
| 1.22m | | 4(SO) | 1081.7 | 474.4 85.7 | 161.1 | 414.5 | 630.0 | 13451.5 |
| Mean | | 4(30) | 884.1 | 97.3 | 175.5 | 410.7 | 626.3 | 10466.8 |
| SD | | | 277.6 | 23.6 | | 242.9 | 319.2 | 2623.8 |
| 30 | | | 211.0 | 23.0 | 20.3 | 242.9 | 319.2 | 2023.8 |
| 9/11/93 | 1361 | 1(80) | 322.9 | 94.4 | NoData | 119.6 | 305.2 | 4021.5 |
| T05 | | 2(SO) | 642.8 | 60.5 | 84.1 | 410.5 | 597.6 | 11830.8 |
| Orientation | | 3(FO)* | 5245.7 | 332.2 | 467.9 | 5245.7 | NO DATA | 180663.4 |
| 1.22m | | 4(SO) | 1226.2 | 122.0 | NoData | 432.9 | 587.0 | 13617.7 |
| Mean | | | 730.6 | 92.3 | 84.1 | 321.0 | 496.6 | 9823.3 |
| SD | | | 458.0 | 30.8 | | 174.8 | 165.8 | 5103.4 |
| 9/12/91 | 1361 | 1(80) | 631.1 | 134.3 | NoData | 205.6 | 440.8 | 10960.2 |
| 7) 12/71 T06 | 1501 | 2(SO) | 913.0 | 76.0 | 105.6 | 583.6 | 845.0 | 22695.5 |
| Orientation | | 2(30) 3(FO)* | 8657.8 | 468.6 | 658.0 | 8657.8 | NO DATA | 460045.7 |
| 1.22m | | 4(SO) | 1130.6 | 117.0 | NoData | 427.8 | 660.5 | 13404.1 |
| Mean | | 4(30) | 891.6 | 109.1 | 105.6 | 405.7 | 648.8 | 15686.6 |
| MEGII | | | 071.0 | 107.1 | 103.0 | 403.7 | 040.0 | 1,000,0 |

Refer to Appendix A, Figures A-30 to A-35 for Cylinder locations.

Cylinder gauge numbers and orientation

1(80) Back-on to blast

2(SO) Side-on to blast 3(70)* Face-on to blast 4(SO) Side-on to blast

Gauge no.3 not used to calculate mean.

Table B-51(cont'd.). Instrumentation cylinder pressure-time summary for the freefiled orientation effects experiments at 1.22 and 2.44 m (4 and 8 ft) from 1361-g charge detonations.

| Date | | | Maximum Peak | Smoothed Peak | Maximum Impulse | | Pressure e Within 20 | Effective |
|-------------|-----------|--------|-----------------|------------------|--------------------|---------|-------------------------|--------------------------|
| and | Charge | Gauge | Pressure | Pressure | lmax, | Percent | of Peak | Impulse Power |
| Test | Weight, g | Number | Pmax,kPa | Psm,kPa | kPa*ms | P20,kPa | I2O,kPa *m s | EIP,kPa ^{-2*ms} |
| 9/16/93 | 1361 | 1(80) | 462.9 | 123.5 | No Data | 163.1 | 437.2 | 7954.2 |
| 107 | 1301 | 2(\$0) | 797.4 | 62.1 | 86.7 | 303.4 | 450.2 | 8779.5 |
| orientation | _ | 2(50)* | 5663.5 | 342.4 | 366.2 | 3388.8 | 474.4 | 212193.7 |
| 1.22m | • | 4(SO) | 916.4 | 99.8 | No Data | 402.4 | 605.2 | 1168.1 |
| Mean | | 4(30) | 725.6 | 95.1 | 86.7 | 289.6 | 497.5 | 5967.3 |
| SD | | | 235.1 | 31.0 | 00.7 | | | |
| 20 | | | 235.1 | 31.0 | | 120.2 | 93.5 | 4176.6 |
| 9/17/91 | 1361 | 1(BO) | 368.8 | 99.7 | No Data | 146.5 | 290.6 | 4787.2 |
| T08 | | 2(50) | 778.3 | 61.4 | 86.4 | 350.7 | 538.7 | 10064.9 |
| Orientation | า | 3(F0)* | 3644.2 | 261.1 | 366.2 | 1514.5 | 315.0 | 116989.2 |
| 1.22m | | 4(SO) | 1275.8 | 127.8 | 180.8 | 375.9 | 580.4 | 19289.2 |
| Mean | | •• | 807.6 | 96.3 | 90.4 | 291.0 | 469.9 | 11380.4 |
| SD | | | 454.2 | 33.3 | 66.8 | 125.8 | 156.7 | 7340.0 |
| 9/19/93 | 1361 | 1(80) | 554.2 | 129.5 | No Data | 187.5 | 445.6 | 8010.7 |
| 109 | | 2(SO) | 919.0 | 72.8 | 109.1 | 428.6 | 682.3 | 9542.6 |
| Orientation | 1 | 3(F0)* | 7682.9 | 436.7 | 728.2 | 7682.9 | NO DATA | 314840.0 |
| 1.22m | • | 4(SO) | 1121.3 | 134.1 | No Data | 393.0 | 833.1 | 13496.2 |
| Mean | | .,,,,, | 864.8 | 112.1 | 109.1 | 336.4 | 653.7 | 10349.8 |
| SD | | | 287.4 | 34.1 | | 130.1 | 195.3 | 2830.4 |
| 10/7/91 | 1361 | 1(80) | 427.2 | 104.7 | No Data | 142.4 | 442.0 | 8075.4 |
| T10 | 1301 | 2(\$0) | 735.2 | 246.2 | No Data | 231.6 | 7551.4 | 27591.7 |
| Orientation | • | 3(FO)* | 6473.0 | 313.4 | 439.5 | 6473.0 | NO DATA | 275264.1 |
| 1.22m | • | 4(SO) | 946.8 | 74.9 | No Data | 308.4 | 605.7 | 7121.4 |
| Hean | | 7(30) | 703.1 | 141.9 | 0.0 | 227.5 | 2866.4 | 14262.8 |
| SD | | | 261.3 | 91.5 | 0.0 | 83.1 | 4058.2 | 11553.0 |
| | | | | /1.5 | | | 7070.2 | 11333.0 |
| 10/21/91 | 1361 | 1(80) | 110.9 | 73.0 | No Data | 63.4 | 249.1 | 2225.6 |
| T11 | | 2(SO) | 169.9 | 26.6 | 37.3 | 60.7 | 137.6 | 1702.6 |
| Orientation | 1 | 3(FO)* | 603.1 | 133.8 | 224.0 | 164.0 | 353.6 | 11822.0 |
| 2.44m | | 4(SO) | 216.6 | 50.2 | No Data | 64.6 | 157.4 | 1794.3 |
| Mean | | | 165.8 | 49.9 | 37.3 | 62.9 | 181.4 | 1907.5 |
| SD | | | 53.0 | 23.2 | | 2.0 | 59.5 | 279.3 |

Refer to Apppendix A, Figures A-30 to A-35 for cylinder locations.

Cylinder gauge numbers and orientation

1(80) Back-on to blast

2(SO) Side-on to blast

3(FO)* Face-on to blast

4(SO) Side-on to blast

Gauge no.3 not used to calculate mean.

APPENDIX C PATHOLOGY WORKSHEETS

TABLE C-1

1

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| | | | ORKSHEET | e jirkust ele | | | | an managa | 12 P. C. 1980 (1981) | | 4.00 |
|---|---|---|--|--|--|---|---|---|---|---------|---|
| Project: | Comple | | | | | | 1411,14 | Nature of | | | |
| Study | Dete | Shot | Animal | | Bw.,kg. | | Charge, g. | HOB, ft. | Range | ft. | Config |
| y 90 | 7/30/90 | 1 | 2R | RSO | 42.7 | Sheep | 114 | 4 | 3 | | A-1 |
| | 8/7/90 | 1 | 14L | RSO | 40.4 | | 114 | 4 | 3 | | A-5 |
| | 7/30/90 | 1 | _ 3L | RSO | 40.0 | | 114 | 6 | 3 | | A-1 |
| | 8/7/90 | 1 | 15R | RSO | 40.9 | I | 114 | 4 | 3 | | A-5 |
| | 8/15/90 | 1 | 22R | RSO | 37.7 | | 114 | 4 | 3 | | A-3 |
| | 8/15/90 | 1 | 23L | RSO | 33.6 | | 114 | 4 | 3 | | A-3 |
| lean × | | Same Area | | /XX/******* | 39.2 | Military i da ya mbiyo | igt Ogerlader | | ***** | X 28 18 | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | T T | | | | | | 1 | | | 1 | |
| | 7/31/90 | 1 | 5L | RSO | 36.4 | Sheep | 227 | 4 | 3 | | A-1 |
| | 8/8/90 | <u> </u> | 16R | RSO | 41.8 | | 227 | 4 | 1 3 | | A-2 |
| | 7/31/90 | -; | 6R | RSO | 35.5 | | 227 | 4 | 1 3 | | A-1 |
| | 8/8/90 | -; - | 171 | RSO | 40.9 | | 227 | 4 | 1 3 | | A-2 |
| | 8/20/90 | | 25R | | 35.0 | | 227 | | | | A-3 |
| | | 1 | | RSO | | | | 4 | 3 | | |
| | 8/20/90 | | | RSO | 35.7 | 0.000 \$ 200 0.000 7 6 | 227 | 4 | 3 | | A-3 |
| | * *** | | | | | | ere ereka izan bilan br>Bilan bilan | | | |
| | | | | | 3.D | | | | **** | | 1, 184 |
| | ********* | | | | | *************************************** | | | | | |
| | | | | | ļ | | | | | | |
| y 90 | 8/1/90 | 1 | 8R | RSO | 40.9 | Sheep | 454 | 4 | 3 | | <u> </u> |
| | 8/9/90 | 1 | 18L | RSO | 44.1 | | 454 | 4 | 3 | | A-5 |
| | 8/1/90 | 1 | 9L | RSO | 40.9 | | 454 | 4 | 3 | | A-1 |
| | 9.40.400 | A | | 000 | 40.4 | | 454 | 4 | 3 | | A-2 |
| | 8/9/90 | 1 | 19R | RSO | 40.4 | 1 | 2 | • | | | |
| | 8/21/90 | 1 | 19R 28R | RSO | 38.0 | | 454 | 4 | 3 | | A-3 |
| D | 8/21/90 8/21/90 | 1 | 28R 29L | RSO RSO | 38.0 40.2 40.8 2.0 | | 454 | 4 | 3 | *** | A-3 A-3 |
| | 8/21/90 8/21/90 | 1 | 28R 29L | RSO RSO | 38.0 40.2 40.8 2.0 | | 454 | 4 | 3 | *** | A-3 A-3 |
| D | 8/21/90 8/21/90 | 1 | 28R 29L | RSO RSO | 38.0 40.2 40.8 2.0 | | 454 | 4 | 3 | | A-3 A-3 |
| D | 8/21/90 8/21/90 | 1 1 | 28R 29L | RSO RSO | 38.0 40.2 40.8 2.0 0.8 | | 454 454 | 4 | 3 | | A-3 A-3 |
| D | 8/21/90 8/21/90 10/31/90 | 1 1 | 28R 29L 76GF | RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 | | 454 | 4 | 3 | | A-3 A-3 A-8 |
| D | 8/21/90 8/21/90 10/31/90 11/1/90 | 1 1 1 1 | 28R 29L 76GF 79GF | RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 | | 454 454 454 454 454 | 4 4 | 3 3 3 | | A-3 A-3 A-8 A-8 |
| D | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 | 1 1 1 1 1 1 | 28R 29L 76GF 79GF 85(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 | | 454 454 454 454 454 454 | 4 4 4 | 333333 | | A-3 A-3 A-8 A-8 A-8/3 |
| E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 1 1 1 1 1 1 1 1 1 | 28R 29L 76GF 79GF 85 (EART) 88 (EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 | | 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/4 A-8/5 |
| D E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 1 1 1 1 1 1 1 1 1 1 | 28R 29L 76GF 79GF 85(EART) 88(EART) 91(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 | | 454 454 454 454 454 454 454 | 4 4 4 4 4 | 333333333333333333333333333333333333333 | | A-3 A-3 A-8 A-8 A-8/3 A-8/4 A-8/5 |
| D E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 1 1 1 1 1 1 1 1 1 | 28R 29L 76GF 79GF 85(EART) 88(EART) 91(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 | | 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 333333333333 | | A-3 A-3 A-8 A-8 A-8/3 A-8/4 A-8/5 |
| D E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 1 1 1 1 1 1 1 1 1 | 28R 29L 76GF 79GF 85(EART) 88(EART) 91(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 | | 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 333333333333 | | A-3 A-3 A-8 A-8 A-8/3 A-8/4 A-8/5 |
| E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 9.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 | | 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 333333333333 | | A-3 A-3 112 A-8 A-8 A-8/3 A-8/4 A-8/5 |
| E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 94(EART) | RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 | | 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 333333333333333333333333333333333333333 | | A-3 A-3 A-8 A-8 A-8/3 A-8/4 A-8/5 |
| D E | 8/21/90 8/21/90 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 11/16/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 94(EART) 97(EART) | RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 9.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 | | 454 454 454 454 454 454 454 454 | 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-3 A-3 A-8 A-8 A-8/3 A-8/4 A-8/5 A-9/4 |
| D E | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 11/16/90 12/4/90 12/6/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 94(EART) 97(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 | | 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/6 A-8/7 A-9/2 |
| D E | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 11/16/90 12/4/90 12/6/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 97(EART) 100(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 | | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/5 A-9/2 A-9/2 |
| E & Can | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 11/16/90 12/4/90 12/10/90 12/10/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 94(EART) 100(EART) 103(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 | | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/3 A-8/4 A-8/5 A-9/2 A-9/2 A-9/2 A-9/3 |
| Can | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/12/90 11/16/90 11/16/90 12/4/90 12/10/90 12/10/90 12/12/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 97(EART) 100(EART) 103(EART) 106(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 37.0 | | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/3 A-8/4 A-8/5 A-9/2 A-9/2 A-9/2 A-9/3 A-9/3 |
| D E S S S S S S S S S S S S S S S S S S | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 11/16/90 12/4/90 12/4/90 12/10/90 12/12/90 12/13/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 97(EART) 100(EART) 103(EART) 106(EART) | R SO R SO R SO R SO R SO R SO R SO R SO | 38.0 40.2 40.8 2.0 0.8 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 37.0 | | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/6 A-9/7 A-9/2 A-9/2 A-9/3 A-9/3 |
| Can) | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 11/16/90 12/4/90 12/10/90 12/10/90 12/13/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 97(EART) 100(EART) 100(EART) 106(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 37.0 40.9 | | 454 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/6 A-9/2 A-9/2 A-9/3 A-9/3 |
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| ean D | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/12/90 11/14/90 11/16/90 12/4/90 12/4/90 12/10/90 12/12/90 12/13/90 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 91(EART) 97(EART) 100(EART) 100(EART) 106(EART) 109(EART) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 0.8 2.0 0.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 37.0 240.9 37.7 38.6 41.1 41.3 38.6 40.9 37.7 | | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/3 A-8/4 A-8/5 A-9/2 A-9/2 A-9/2 A-9/3 A-9/3 A-9/3 A-9/3 |
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| ean DE | 8/21/90 8/21/90 8/21/90 10/31/90 11/12/90 11/14/90 11/16/90 12/4/90 12/4/90 12/10/90 12/12/90 12/13/90 2/1/91 2/5/91 12/6/91 | 1 | 28R 29L 76GF 79GF 85(EART) 91(EART) 97(EART) 100(EART) 103(EART) 109(EART) 109(EART) 125(EAR) 125(EAR) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 38.0 40.2 40.8 2.0 9.8 45.5 43.0 40.0 40.9 37.7 41.4 3.0 1.3 39.5 41.1 44.3 38.6 44.8 37.0 38.6 44.8 37.0 38.6 44.8 37.0 38.6 44.8 37.0 38.6 44.8 37.0 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 44.8 38.6 40.9 | | 454 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/5 A-9/2 A-9/2 A-9/3 A-9/3 A-9/3 A-9/3 A-9/3 |

| | Natura of | 7000 | 20.000000 | | | Lung Weight | a sakir da er | ned etse lig | Tagana, Alika | agear jak | الريد فيغفى حقيارات | Morbidity | |
|----|---|--|--|--|---|--|--|--|--|--|--|--|-------------------|
| - | Nature of | | Config. | Mark and | V. 12.11.12. | | | LLP | TLP | Fat/Surv. | 105, hrs. | 100,min. | (|
| _ | 4 | Range, ft. | A-1 | 177.00 | 127.00 | 304.00 | 0.41 | 0.30 | 0.71 | 1.00 | 2.00 | | |
| _ | | 3 | | 200.00 | 143.00 | 343.00 | 0.49 | 0.35 | 0.84 | 1.00_ | 1.00 | | |
| _ | 4 | 3 | 4-2 A-1 | 188.00 | 149.00 | 337.00 | 0.47 | 0.37 | 0.84 | 1.00_ | 1.00 | | |
| _ | | 3 | A-2 | | 152.00 | 364.00 | 0.52 | 0.37 | 0.89 | 1.00 | 2.00 | | |
| _ | | 3 | | 212.00 | 144.50 | 351.50 | 0.55 | 0.38 | 0.93 | 1.00 | 1.00 | | |
| _ | 4 | + | A-3 | 207.00 | 132.50 | 318,50 | 0.55 | 0.39 | 0.94 | 1.00 | 2.00 | | |
| | | · 3 1 | A-3 | 186.00 | 141.33 | 336.33 | 0.50 | 0.36 | 0.86 | granisa jaka kanasti | Section Control of the | 2001/2001/2000/2000 | Mary Service |
| - | | | | 195.00 | | | 0.05 | 0.03 | 0.08 | , napronalis est i | | · · · · · · · · · · · · · · · · · · · | 44 |
| | | State of the state | | | <u> </u> | 8,95 | | 0.01 | 0.03 | nyan ni sileesk | * * * * * * * * * * * * * * * * * * * | * | |
| | | | | 7.31 | 3.77 | T [| | 727 | | | | | $\prod_{i=1}^{n}$ |
| _ | ļ, | | 4-9 | 370 00 | 146.00 | 376.00 | 0.63 | 0.40 | 1.03 | 1.00 | | 10.00 | 0 |
| _ | | 3 | A-1 | 230.00 | 153.00 | 384.00 | 0.55 | 0.37 | 0.92 | 1.00 | 1.00 | | |
| _ | 4 | 3 | A-5 | 231.00 | | 311.00 | 0.52 | 0.36 | 0.88 | 1.00 | 3.70 | | |
| _ | 4 | 3 | A-1 | 184.00 | 127.00 | 379.50 | 0.53 | 0.39 | 0.92 | 1.00 | 2.00 | | |
| _ | 4 | 3 | A-5 | 218.00 | 161.50 | 324.00 | 0.53 | 0.40 | 0.93 | 1.00 | 1.00 | | |
| _ | 4 | 3 | A-3 | 184.00 | 140.00 | | 0.57 | 0.38 | 0.95 | 1.00 | 2.50 | | Ι |
| _ | 4 | 3 | A-3_ | 208.00 | 135.00 | 338.00 | 0.56 | 0.38 | | | | | *** |
| | | | | | 143.75 | 352.08 | 0.04 | - | 0.05 | | Service of the Control | * * * * * * * * * * * * * * * * * * * | er es |
| | | | | | 12.46 | | 0.02 | | 0.02 | 1.5 | | or the second | 43 A. |
| ं | , marking personal distriction of the con- a | | | 8.67 | 5.09 | 12.93 | U.UZ | V.V. | 7.72 | 1 | T | | |
| _ | <u> </u> | | | \ | 4/5 55 | 7/5 00- | 0.59 | 0.35 | 0.86 | 1 1.00 | 3.00 | 1 | 1 |
| _ | 1 4 | 3 | A-1 | 203.00 | 142.00 | 345.00 | 0.51 | 0.38 | 0.92 | 1.00 | 1.00 | | |
| _ | 4 | 3 | A-5 | 237.00 | 167.50 | 404.50 | 0.54 | | 1.27 | 1.00 | 4.00 | | 1 |
| _ | 4 | 3 | A-1 | 366.00 | 154.00 | 520.00 | 0.89 | 0.38 | 1.17 | 1.00 | 2.00 | | 1 |
| | 4 | 1 3 | A-2 | 317.00 | 157.50 | 474.50 | 0.78 | 0.39 | | 1.00 | 1.00 | | + |
| | 4 | 3 | A-3 | 313.00 | 148.50 | 461.50 | 0.82 | 0.39 | 1.21 | 1 1.00 | | | + |
| | | | | | | | | | | | | | |
| | 1 4 | 3 | A-3 | 234.50 | 117.50 | 352.00 | 0.58 | 0.29 | 0.87 | | 2.00 | | 28.00 |
| ंश | | 1. mm 142 mm | | 278.42 × | 147.83 | 426.25 | 0.69 | 0.36 | 1.05 | o generalisti (Pro | | | 18.00 |
| × | | | *** | 278.42 62.75 | 147.83 •• 17.16 | 426.25 70.64 | 0.69 | 0.36 0.04 | 1.05 | e i gant jegovi 1999 Oggannak i konsti | | | |
| × | | 1. mm 142 mm | *** | 278.42 62.75 | 147.83 •• 17.16 | 426.25 70.64 | 0.69 | 0.36 0.04 | 1.05 | e i gant jegovi 1999 Oggannak i konsti | | | |
| ×, | | | *** | 278.42 62.75 | 147.83 •• 17.16 | 426.25 70.64 | 0.69 | 0.36 0.04 0.02 | 1.05 0.19 0.08 | | | | |
| × | | | *** | 278.42 62.75 | 147.83 •• 17.16 | 426.25 70.64 | 0.69 0.16 0.07 | 0.36 0.04 0.02 | 1.05 0.19 0.08 | 1.00 | 1.00 | | |
| ×, | | | | 278.42 62.75 25.62 | 147.83 17.16 7.01 | 426.25 70.64 28.84 | 0.69 0.16 0.07 | 0.36 0.04 0.02 | 1.05 0.19 0.08 1.62 1.73 | 1.00 | 1.00 | | |
| × | 4 | 3 | A-8 | 278.42 62.75 25.62 530.00 | 147.83 17.16 7.01 207.00 | 426.25 70.64 28.84 737.00 | 0.69 0.16 0.07 | 0.36 0.04 0.02 | 1.05 0.19 0.08 | 1.00 1.00 1.00 | 1.00 2.00 3.00 | | |
| × | 4 | 3 3 | A-8 A-8 | 278.42 62.75 25.62 530.00 539.50 | 147.83 17.16 7.01 207.00 204.00 | 70.64 28.84 737.00 743.50 | 0.69 0.16 0.07 1.16 1.25 | 0.36 0.04 0.02 0.46 0.47 | 1.05 0.19 0.08 1.62 1.73 | 1.00 1.00 1.00 | 1.00 2.00 3.00 2.50 | | |
| × | 4 4 | 3 3 3 | A-8 A-8 A-8/3 | 278.42 62.75 25.62 530.00 539.50 260.00 | 147.83 17.16 7.01 207.00 204.00 141.00 | 737.00 743.50 401.00 | 0.69 0.16 0.07 1.16 1.25 0.65 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 | 1.00 1.00 1.00 1.00 | 1.00 2.00 3.00 2.50 2.00 | | |
| | 4 4 4 | 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 | 70.64 70.64 28.84 737.00 743.50 401.00 353.00 751.00 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 | 1.00 1.00 1.00 1.00 1.00 | 1.00 2.00 3.00 2.50 2.50 2.10% | | |
| | 4 | 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 | 70.64 70.64 28.84 737.00 743.50 401.00 353.00 751.00 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 | 1.00 1.00 1.00 1.00 | 1.00 2.00 3.00 2.50 2.00 2.10% | | |
| | 4 4 4 4 4 | 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 175.42 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 173.20 31.39 | 70.64 28.84 737.00 743.50 401.00 353.00 751.00 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 | 1.00 1.00 1.00 1.00 1.00 | 1.00 2.00 3.00 2.50 2.00 2.10% | | |
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| | 4 4 4 4 4 4 | 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 175.42 78.45 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 173.20 31.39 14.04 | 70.64 28.84 737.00 743.50 401.00 353.00 751.00 597.10 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 1.02 0.43 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 1.44 0.49 0.22 | 1.00 1.00 1.00 1.00 1.00 1.00 9.00 0.00 | 1.00 2.00 3.00 2.50 2.50 2.70 0.74 0.33 | | |
| | 4 4 | 3 3 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 175.42 78.45 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 173.20 31.39 14.04 238.50 | 737.00 743.50 401.00 353.00 751.00 597.10 90.20 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 1.02 0.43 0.19 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 0.45 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 1.44 0.49 0.22 | 1.00 1.00 1.00 1.00 1.00 1.00 9.00 | 1.00 2.00 3.00 2.50 2.50 2.10 0.74 0.33 | | |
| | 4 4 4 | 3 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 175.42 78.45 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 173.20 31.39 14.04 238.50 246.00 | 70.64 28.84 737.00 743.50 401.00 353.00 751.00 597.10 90.20 569.50 735.00 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 1.02 0.43 0.19 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 0.45 0.42 0.06 0.03 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 1.44 0.49 0.22 | 1.00 1.00 1.00 1.00 1.00 1.00 9.00 0.00 | 1.00 2.00 3.00 2.50 2.50 2.10 0.74 0.33 | | |
| | 4 4 4 4 4 | 3 3 3 3 3 3 3 3 | A-8 A-8 A-8/3 A-8/4 A-8/5 A-8/5 A-9/5 | 278.42 62.75 25.62 530.00 539.50 260.00 208.00 582.00 423.90 175.42 78.45 | 147.83 17.16 7.01 207.00 204.00 141.00 145.00 169.00 173.20 31.39 14.04 238.50 246.00 321.00 | 737.00 743.50 401.00 353.00 751.00 597.10 90.20 569.50 735.00 844.00 | 0.69 0.16 0.07 1.16 1.25 0.65 0.51 1.54 1.02 0.43 0.19 | 0.36 0.04 0.02 0.46 0.47 0.35 0.35 0.45 0.45 0.42 0.06 0.03 | 1.05 0.19 0.08 1.62 1.73 1.00 0.86 1.99 1.44 0.49 0.22 1.44 1.79 | 1.00 1.00 1.00 1.00 1.00 1.00 9.00 9.00 | 1.00 2.00 3.00 2.50 2.50 2.10 0.74 0.33 | | |
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| | Morbidity | | 100 800 13. | dus N | år v. Herj¥ri | Horbidity | Severity (| of injury | A | djusted | Ext | ernal Lesions |
|------|--|---------------------------------------|-------------|----------|---------------|---|---------------------------------------|------------|-----------|----------|---------------------------------------|--------------------|
| ŧ. | 700,min. | coo | Pneumo. | Nemoper. | Hemother. | Coron.Air | | Retios | index | Index | Score | Possible Re |
| | 1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 0.75 | 0.33 | 0.00 | |
| _ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.11 | 0.00 | 56.00 |
| _ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.15 | 5.00 | |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.20 | 0.00 | 56.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.52 | 0.32 | 0.00 | 56.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.05 | 0.00 | |
| | | 541 Styl | 0.00 | 0.00 | | 0.00 | 0.00 | 0.44 | 0.44 | 0.19 | 0.83 | |
| | e translata gjal | Charles March | 0.00 | 0.00 | - | 0.00 | 0.00 | 0.17 | | | | wax 0.00 |
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| | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.83 | 0.00 | 56.00 |
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| 1 | i | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.81 | 0.81 | 0.61 | 0.00 | 56.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 0.83 | 0.70 | 0.00 | 56.00 |
| ┪ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.57 | 0.47 | 0.00 | |
| i | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.46 | 0.33 | 0.00 | 56.00 |
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| ÷ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 2.71 | 2.31 | 0.00 | 56.00 |
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| + | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.64 | 0.00 | 56.00 |
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| _ | The Steel Control | | | 0.00 | | D.00 | 0.00 | | 0.51 | | | **** 0.00 ***** |
| _ | rusus 🐯 er juste | | 0.00 × i | 0.00 | 0.00 | 0.00 | 0.80 × · · | 2860 O.21 | 0.21 | 0.17 | · · · · · · · · · · · · · · · · · · · | ····· 0.00 |
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| ÷ | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 3.19 | 4.19 | 4.19 | 0.00 | 56.00 _i |
| Ļ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.90 | 0.00 | 56.00 |
| L | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 2.24 | 3.24 | 3.24 | 5.00 | 56.00 |
| L | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 2.85 | 3.85 | 3.55 | 5.00 | 56.00 |
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| | ig ali kan gan sije | a make (special) | 0.00 | ·· 0.55 | 0.00 | 0.00 | 0.00 | 0.53 | 1.02 | 1.01 | 2.74 | 2 |
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| 1 | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 2.91 | 3.91 | 3.79 | 0.00 | 56.00 |
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| Ĺ | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 2.87 | 3.87 | 3.77 | 0.00 | 56.00 |
| Ĺ | | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.06 | 5.06 | 4.96 | 0.00 | 56.00 |
| Γ | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 56.00 |
| Ι | | | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 3.42 | 3.30 | 0.00 | |
| 20 | 30000 A. 1000 | 244400 | | | Q.00 | | ** 0.00 | | 3.51 | | | *** \$6.00 |
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| | AND AND | | 0.17 | 0.22 | 0.00 | 0.00 | 0.00 | | 0.41 | 0.40 | | 0.00 |
| , | | 1 | | | 7.74 | | <u>`</u> | J.20 | 7,71 | 1 | 1.44 | |
| 1 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.67 | 2.67 | 2.60 | 0.00 | 56.00 |
| | | + | 0.00 | 0.00 | 0.00 | 0.00 | | | | 2.14 | 0.00 | 56.00 |
| Г | | | 0.00 | | | | 0.00 | 2.14 | 2.14 | | | |
| gy. | errania de la composición dela c | ing it wells in a | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 2.45 | 2.33 | 0.00 | 56.00 |
| - | | *********** | | 0.00 | | 0.00 | | 2.42 | | 2.36 | | × 56.00 |
| - 11 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8.00 | 0.00 | | 0.00 | 0.00 | | ··· 0.27 | 0.23 | | 0.00 |
| - | | | | | | CONTRACTOR OF THE PARTY OF THE | · · · · · · · · · · · · · · · · · · · | | | 0.13 | 0.00 | |

| Ext | ernal Lesio | | | fractures | | | Burns | | · · · · · · · · · · · · · · · · · · · | aryre/Larynx | Section 1 | enga - Saarg Saarangan | Trac |
|--------------|----------------|-----------|-------|----------------|---------------------------------------|--------------|----------------|-----------|---------------------------------------|---------------|-----------------|---------------------------|-------------|
| • | Possible | Ratio | | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | Score | Poss |
| .00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 4.00 | 52.00 | 0.08 | 0.00 | 60.00 | 0.00 | 0.00 | |
| J.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 | 0.05 | 0.00 | |
| .00 | 56.00 | 0.09 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 | 0.00 | 0.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 | 0.00 | 5.00 | |
| 00.0 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 | 0.05 | 3.00 | |
| 3.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.001 | 0.00 | 3.00 | 60.00 | 0.05 | 0.00 | |
| 1.83 | 56.00 | 0.01 | 0.00 | 24.00 | 0.00 | 0.67 | 52.00 | 0.01 | 1.50 | 60.00 | 0.03 | 1.33 | Š |
| 2.04 | 0.00 | 0.04 | 0.00 | | 0.00 | 1.63 | 0.00 | 0.03 | 1.64 | 0.00 | ··· 0.05 × | | |
| 3.85 | 0.00 | 0.01 | ₹0.00 | 0.00 | 0.00 | ··· 0.67 | 0.00 | 0.01 | 0.67 | 0.00 | 0.01 | ×:×:: 0.88 | 905 S |
| | 54 00 | | | | | | | | | | | | |
| 3.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 8.00 | 52.00 | 0.15 | 6.00 | 60.00 | 0.10 | 8.00 | |
| 00.0 | 56.00 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 8.00 | 52.00 | 0.15 | 6.00 | 60.00 | 0.10 | 0.00 | |
| 3.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 | 0.10 | 5.00 | |
| 7.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 | 0.05 | 6.00 | |
| 7.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 | 0.07 | 0.00 | |
| 3.00 | 56.00 | 0.00 | 0.00 | 24.00 24.00 | 0.00 | 0.00 | 52.00 52.00 | 0.00 | 3.67 | 60.00 | 0.05 | 0.00 4.17 | 350 m.s |
|).00 | | 0.00 | 0.00 | 0.00 | 0.00 | <u> 2.67</u> | 0.00 | 0.08 | 1.51 | 0.00 | | 3.37 | |
| 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | | 0.61 | | | · · · 1.38 | |
| Ī | 1 | | | | · · · · · · · · · · · · · · · · · · · | 1107 | 1 | | | 3.00 | 3.44 | 7,550 | |
| .00 | 56.00 | 0.09 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 5.00 | 60.00 | 0.08 | 16.00 | |
| ٠.00 | 56.00 | 0.09 | 0.00 | 24.00 | 0.00 | 10.00 | 52.00 | 0.19 | 8.00 | 60.00 | 0.13 | 18.00 | |
| 00.0 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 8.00 | 52.00 | 0.15 | 18.00 | 60.00 | 0.30 | 16.00 | |
| 00.0 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 16.00 | 60.00 | 0.27 | 6.00 | _ |
| 00.0 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 7.00 | 52.00 | 0.13 | 6.00 | 60.00 | 0.10 | 0.00 | |
| 3.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | 0.08 | 5.00 | |
| .67 | | | 0:00 | 24.00 | 0.00 | 6.17 | 52.00 | 25.0 O.12 | 9.67 | 60.00 | ····· 0.716** | 10:17 | \$250 |
| 2.58° | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | 0.00 | | 5.82 | | ~0 <i>;</i> 10× | | |
| 1.05 | 0.00 | 0.02 | | 0.00 | 0.00 | 2.07 | 0.00 | 0.04 | 2.38 | · 0.00 | 0.04 <u></u> | 3.04 | 960,000 |
| - 00 | 56 00 | 0.00 | | | | | | | | 12.22 | | | |
|).00).00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 13.00 | 52.00 | 0.25 | 22.00 | 60.00 | 0.37 | 0.00 | |
| .00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 13.00 | 52.00 | 0.25 | 18.00 | 60.00 | 0.30 | 18.00 | |
| 00 | 56.00 | 0.09 | 0.00 | 24.00 | 0.00 | 11.00 | 52.00 | 0.21 | 22.00 | 60.00 | 0.37 | 14.00 | |
| .00 | 56.00 | 0.09 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 20.00 | 60.00 | 0.33 | 18.00 | |
| .00 | 56.00 | | 0.00 | 24.00 24.00 | 0.00 | 12.00 | 52.00 52.00 | 0.23 | 20,40 | 60.00 | | 14.40 | |
| .74 | | | | 0.00 | 0.00 | 0.84 | 0.00 | 0.02 | 1.67 | 0.00 | | 8.53 | |
| .22 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.37 | | 0.01 | 0.75 | 0.00 | 0.01 | | |
| | | | | | | <u> </u> | - | 1 | | | 1 | | |
| 00.0 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 18.00 | 60.00 | 0.30 | 20.00 | |
| ,.00 | 56.00 | 0.11 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 | 0.37 | 14.00 | |
| .00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 20.00 | 60.00 | 0.33 | 8.00 | |
| .00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 48.00 | 60.00 | 0.80 | 40.00 | |
| 1.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 20.00 | 60.00 | 0.33 | 7.00 | |
| 1.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 16.00 | 60.00 | 0.27 | 14.00 | |
| 1.00× | | ·····0.02 | | 24.00 | 0.00 | 2.00 | SZ.00 | 0.23 | | | ··· 0.40 | | |
| | 0.00 | | ×0.00 | >*******0.00 × | 0.00 | | 0.00 | 0.00 | | 0.00 <i>*</i> | | ····12:14 | |
| .00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.87 | 0.00 | 0.08 | 4.96 | No. 5 - DAG |
| - 00 | E4 00 | | | | | | | | | | | | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 | 0.37 | 18.00 | |
| | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 | 0.37 | 14.00 | |
| 0.00 | 56.00 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 | 0.37 | 18.00 | |
| 1.00 | 0.00 | 0.00 | | 24.00 | 0,00 | | | 0.23 | | | 0.37 | | |
| .00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | 0.00 | 2.31 | |
| | | 1 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | |
| | | | | | | | | 1 | | | | | |

| ···· | | Tanahaa | + | | Limos | | 3.76 M.Hw | Heart | | Hollow | Abdominet 0 | rgane |
|-------------|-------|---|--|-----------------------|-------------------------------------|--|--------------------------|--|-------|----------------|--|------------------|
| tio | Score | Possible - | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio |
| 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 12.00 | 48.00 | 0.25 |
| 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 3.00 | 48.00 | 0.06 |
| 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 3.00 | 48.00 | 0.06 |
| 0.00 | 5.00 | 55.00 | 0.09 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 5.00 | 48.00 | 0.10 |
| 0.05 | 3.00 | 55.00 | 0.05 | 10.00 | 64.00 | 0.16 | 0.00 | 48.00 | 0.00 | 3.00 | 48.00 | 0.06 |
| 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 | 0.00 |
| 0.03 | 1.33 | 55.00 | 0.02 | 1.67 | 64.00 | | × 0.00 | 48.00 | 0.00 | 4.33 | 48.00 | 0.09 |
| 0.03 | 2.16 | 0.00 | 0.04 | 4.08 | 0.00 | | 0.00 | 20.00 C.00 | 0.00 | | 0.00 | 0.09 |
| 0.01 | | 0.00 | 0.02 | 1.67 | 0.00 | 0.03 | D.DO | | 0.00 | 1.67 | D.:00 . | ····· 0.03 |
| 0.01 | | | V. UZ | 1.00 | | | | | | | | |
| 0.10 | 8.00 | 55.00 | 0.15 | 33.00 | 64.00 | 0.52 | 18.00 | 48.00 | 0.38 | 26.00 | 48.00 | 0.54 |
| 0.10 | 0.00 | 55.00 | 0.00 | 24.00 | 64.00 | 0.38 | 0.00 | | 0.00 | 5.00 | 48.00 | 0.10 |
| 0.10 | 5.00 | 55.00 | 0.09 | 12.00 | | 0.19 | 6.00 | 48.00 | 0.13 | 5.00 | 48.00 | 0.10 |
| 0.05 | 6.00 | 55.00 | 0.11 | 12.00 | | 0.19 | 5.00 | | 0.10 | 12.00 | 48.00 | 0.25 |
| 0.07 | 6.00 | 55.00 | 0.11 | 12.00 | 64.00 | 0.19 | 0.00 | | 0.00 | 5.00 | 48.00 | 0.10 |
| 0.05 | 0,00 | 55.00 | 0.00 | 10.00 | 64.00 | 0.16 | 0.00 | | 0.00 | 6.00 | | 0.13 |
| 0.08 | 4.17 | | 0.08 | 17.17 | | | 4:83 | | 0.10 | 9.83 | 48.00 | · · · · · · 0.20 |
| 0.03 | 3,37 | 0.00 | | 9.26 | | 0.14 | 7.00 | | 0.15 | 8.38 | ······································ | 0.17 |
| 0.01 | 1.38 | 0.00 | 0.03 | 3.78 | 0.00 | | | | 0.06 | 3.4Z | 0.00 | 0.07 |
| 0.00 | 1,50 | | 0.03 | www.ga.a. 3.10 | | | | i i | | | | |
| 0.08 | 16.00 | 55.00 | 0.29 | 21.00 | 64.00 | 0.33 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 | 0.46 |
| 0.13 | 18.00 | 55.00 | 0.33 | 21.00 | | 0.33 | 0.00 | | 0.00 | 26.00 | 48.00 | 0.54 |
| 0.30 | 16.00 | 55.00 | 0.29 | 52.00 | | 0.81 | 16.00 | | 0.33 | 20.00 | 48.00 | 0.42 |
| 0.27 | 6.00 | 55.00 | 0.11 | 36.00 | 64.00 | 0.56 | 0.00 | | 0.00 | 24.00 | 48.00 | 0.50 |
| 0.10 | 0.00 | 55.00 | 0.00 | 33.00 | | 0.52 | 0.00 | | 0.00 | 36.00 | 48.00 | 0.75 |
| 0.08 | 5.00 | 55.00 | 0.09 | 18.00 | | 0.28 | 0.00 | | 0.00 | 24.00 | | 0.50 |
| 0.16 | 10.17 | 55.00 | | 30.17 | | | | | 0.06 | | 48.00 | 0.53 |
| 0.10 | 7.44 | 0.00 | 0.14 | 12.92 | | | 6.53 | | 0.14 | ··· 5.61 | 0.00 | 0.12 |
| | 3.04 | 0.00 | 0.06 | 5.28 | | | 2.67 | | 0.06 | · 2.29 | 0.00 | ~~ 0.05 |
| 7.04 | | 0.00 | | 7,00 | | | | T | | | | |
| 0.37 | 0.00 | 55.00 | 0.00 | 44.00 | 64.00 | 0.69 | 4.00 | 48.00 | 0.08 | 24.00 | 48.00 | 0.50 |
| 0.30 | 18.00 | 55.00 | 0.33 | 52.00 | | 0.81 | 7.00 | | 0.15 | 52.00 | 48.00 | 1.08 |
| 0.37 | 14.00 | 55.00 | 0.25 | 39.00 | | 0.61 | 0.00 | | 0.00 | 22.00 | 48.00 | 0.46 |
| 0.33 | 18.00 | 55.00 | 0.33 | 36.00 | | 0.56 | 0.00 | | 0.00 | 30.00 | 48.00 | 0.63 |
| 0.33 | 22.00 | 55.00 | 0.40 | 48.00 | | 0.75 | 8.00 | | 0.17 | 28.00 | | 0.58 |
| 0.34 | 14,40 | 55,00 | 0.26 | 43,80 | | | 3.80 | | 0.08 | 31.20 | ****48.00 | |
| 0.03 | 8.53 | | 0.16 | 6.50 | | | 3.77 | | 0.08 | 12.05 | | |
| 0.01 | 3.82 | 0.00 | 0.07 | 2.91 | | | 1.69 | | 0.04 | 5.39 | 0.00 | 0.11 |
| | | 1 | | | 1 | | | 1 | | | | |
| 0.30 | 20.00 | 55.00 | 0.36 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 42.00 | 48.00 | 0.88 |
| 0.37 | 14.00 | | 0.25 | 56.00 | | | | | 0.10 | 22.00 | 48.00 | 0.46 |
| 0.33 | 8.00 | | 0.15 | 60.00 | | | 8.00 | | | 36.00 | 48.00 | 0.75 |
| 0.80 | 40.00 | | 0.73 | 52.00 | | | | | 0.15 | 42.00 | 48.00 | 0.88 |
| 0.33 | 7.00 | | 0.13 | 52.00 | | | | | 0.00 | 39.00 | 48.00 | 0.81 |
| 0.27 | 14.00 | | 0.25 | 56.00 | | | | | 0.10 | 24.00 | | |
| | | ** 55.00 | | 52.50 | 64.00 | M 0.82 | | ***48.00 | 0.09 | | 48.00 | |
| 0.20 | | 0.00 | | | | 0.11 | 3.43 | 0:00 | 0.07 | ····· 8.97 | 0:00 | |
| 0.08 | 4.96 | | | | | | 1.40 | 0.00 | 0.03 | 3.60 | 0.00 | ···· 0.00 |
| | | | | | 1 | | | Ī | | | | |
| 0.37 | 18.00 | 55.00 | 0.33 | 56.00 | 64.00 | 0.88 | 6.00 | 48.00 | 0.13 | 28.00 | 48.00 | 0.58 |
| 0.37 | 14.00 | | | 48.00 | | | | | | | 48.00 | 0.54 |
| 0.37 | 18.00 | | | 52.00 | | | | | 0.00 | 24.00 | 48.00 | |
| 0.37 | 16.67 | | | | | | 2.00 | | 0.04 | 26.00 | 48/00 | ··· • 0:54 |
| 0.00 | 2.31 | | 0.04 | | | | | | 0.07 | 2.0 | »0.00 | * 0.D |
| 0.00 | 1.33 | | 0.02 | | | | | 0.00 | | . Negliser 1:1 | 0.00 | 0.0 |
| | | and a second control of the control | and the second s | | and the second second to the second | nage of the control o | an in a service of 📥 🕽 🗪 | The second section is a second | | | | |

| | in a suit to | 1.0141.4141. | Taran Jan | gawaan bijaa | 2007 PM 171 (1712) | tions of the specimen. | ajaggira sak | | File British the | essential and the entire of | energial (Autor) |
|----------|----------------|--------------|--|--------------|--------------------|------------------------|----------------|----------------------------|------------------|---|--|
| | Abdominal (| | | Abdominal | rgene | 90g - July 1808 | Right Ears: | | | Left Ears | |
| Score | Possible | Retio | Scare | Possible | - Ratio was | | Possible | | Score | | |
| 12.00 | | 0.25 | | 44.00 | 0.00 | 12.00 | | 0.30 | 5.00 | | 0.13 |
| 3.00 | 48.00 | 0.06 | | 44.00 | 0.00 | 10.00 | | 0.25 | 0.00 | | 0.00 |
| 5.00 | | 0.06 | | 44.00 | 0.00 | 4.00 0.00 | | 0.10 | 4.00 | 40.00 | 0.10 0.13 |
| 3.00 | | 0.06 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 5.00 4.00 | 40.00 | 0.10 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 0.00 | | 0.00 |
| 4.33 | 48.00 | · 0.09 | | 44.00 | | 7.00 | | | 3.00 | | 0.06 |
| 4.08 | 0.00 | 0.09 | | | | 5.02 | | 0.13 | 2.37 | | 0.06 |
| 1.67 | 0.00 | 0.03 | 7.00 | | | 2.05 | | 0.05 | | · · · · · · · · · · · · · · · · · · · | |
| 26.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 4.00 | | 0.10 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 4.00 | 40.00 | 0.10 |
| 12.00 | 48.00 | 0.25 | 0.00 | 44.00 | 0.00 | 5,00 | 40.00 | 0.13 | 0.00 | | 0.00 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 4.00 | | 0.10 |
| 6,00 | 48.00 | 0.13 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| 9.83 | 48.00 | 0.20 | 0.00 | 44.00 | 0.00 | 3:17 | 40.00 | 0.08 | 2.00 | 40.00 | |
| · 8.38 | 0.00 | 0.17 | ******** | 0.00 | 0.00 | 2,48 | 0.00 | 0.06 | 2.19 | 0.00 | 0.05 |
| 3.42 | 0.00 | 0.07 | ··· 0.00 | 0.00 | 0,00 | 1.01 | 0.00 | 0.03 | 0.89 | 0.00 | ≫\$ 0.02 |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 10.00 | 40.00 | 0.25 |
| 26.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 0.00 | 40.00 | 0.00 |
| 20.00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 4.00 | 40.00 | 0.10 |
| 24.00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 5.00 | 40.00 | 0.13 |
| 36.00 | 48.00 | 0.75 | 6.00 | 44.00 | 0.14 | 0.00 | 40.00 | 0.00 | 12.00 | 40.00 | 0.30 |
| 24.00 | 48.00 | 0.50 | 3.00 | 44.00 | 0.07 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| ·· 25.33 | 48.00 | 0.53 | 1:50 | | | 5.50 | | | · 3.17 | | 0.13 |
| 2.29 | 0.00 | 0.12 0.05 | | 0.00 | | ×× 5.43 | | 0.14 | 5.00 | | *******0:1Z |
| 2.27 | 0.00 | 9.43 | 1.02 | 0.00 | | ············ 2.22 | ········· D.00 | 0.06 | × 2.04 | ······································ | ······································ |
| 24.00 | 48.00 | 0.50 | 3.00 | 44.00 | 0.07 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| 52.00 | 48.00 | 1.08 | 12.00 | 44.00 | 0.27 | WAX | 40.00 | | 0.00 | 40.00 | 0.00 |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 0.00 | 40.00 | 0.00 |
| 30.00 | 48.00 | 0.63 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 28.00 | 48.00 48.00 | 0.58 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 0.00 | 40.00 | 0.00 |
| 12.05 | 0.00 | 0.65 0.25 | <u>3.60</u> ** *1.93 | 0.00 | 0.08 | 3.80 | | | | 40.00 | |
| 5.39 | 0.00 | 0.11 | | 0.00 | 0.05 | *** 5.25 2.35 | 0.00 | 0.13 0.06 | 0.00 | ** 0.00* | 0.00 |
| | 0.50 | | E-EU | | 0.03 | 2.33 | 0.00 | 200. 3. 10 . U.5 20 | | 0. 50 . | |
| 42.00 | 48.00 | 0.88 | 18.00 | 44.00 | 0.41 | INF | 40.00 | | 5.00 | 40.00 | 0.13 |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | N/A | 40.00 | | 0.00 | 40.00 | 0.00 |
| 36.00 | 48.00 | 0.75 | 9.00 | 44.00 | 0.20 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 42.00 | 48.00 | 0.88 | 16.00 | 44.00 | 0.36 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.81 | 3.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 34:17 | | | | 44.00 | 0.07 | 5.00 | 40.00 | 0.13 0.05 | 0.00 | 40.00 | 0.00 |
| 8.95 | 0.00 | | 7.34 | | | | 0.00 | | | | |
| 3.66 | 0,00 | | 3.00 | | 0.07 | | | | | 0.00 | |
| | | | | | | | | T | ********** | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| 28.00 | 48.00 | 0.58 | 4.00 | 44.00 | 0.09 | 3.00 | 40.00 | 0.08 | 0.00 | 40.00 | 0.00 |
| 26.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | 4.00 | 44.00 | 0.09 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
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| | 1/8/91 | 1 | 115(EART) | RSOFO | 44.3 | 1 | 2-2 |
| | 1/15/91 | 1 | 119(EAR) | RSOFO | 46.4 | | 2- |
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| Fy 90 | 1/9/91 | | 117(EAR) | RSOFQ | 39.1 | | 227 |
| ., | 1/16/91 | 1 | 121(EAR) | RSOFO | 35.2 | | 227 |
| | 1/25/91 | -i- | 123(EAR) | RSOFO | 40.2 | | 227 |
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| | 8/10/90 | - | 50r | RSO | 41.1 | | 90 |
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| ŀ | | 907 | 4 | 3 | A-2 | 329.00 | 185.00 | 719.00 | 1.38 | 0.48 | 1.86 | 1.00 |
| ŀ | | 907 | 4 | 3 | A-1 | 534.00 | 144.50 | 436.00 | 0.71 | 0.35 | 1.06 | 1.00 |
| l | | 907 | 4 | 3 | A-2 | 291.50 | 185.00 | 598.00 | 0.98 | 0.44 | 1.42 | 1.00 |
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| 2.28 | 0.25 | 0.00 | 0.00 % | 0.00 | ··· · · · · · · · · · · · · · · · · · | 0.00 | 0.00 | 2.00 | 0.00 | 0.04 | 6.08 | 0.00 |
| 1.16 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.02 | 3.51 | 0.00 |
| .22 | 3.97 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 16.00 | 60.00 |
| .80 | 1.80 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 9.00 | 52.00 | 0.17 | 7.00 | 60.00 |
| .00 | 2.00 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 12.00 | 52.00 | 0.23 | 18.00 | 60.00 |
| .67 | 2.59 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 11.00 | 52.00 | 0.21 | 13.67 | 60.00 |
| .34 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 1,73 | 0.00 | 0.03 | 5.86 | 0.00 |
| .77 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 1.00 | 0.00 | 0.02 | 3.38 | 0.00 |
| | | | | | | | | | | | | (2.22 |
| .67 | 4.07 | 6.00 | 56.00 | 0.11 | 0.00 | | 0.00 | 11.00 | 52.00 | 0.21 | 18.00 | 60.00 |
| .37 | 3.99 | 5.00 | 56.00 | 0.09 | 0.00 | | 0.00 | 9.00 | 52.00 | 0.17 | 22.00 | 60.00 |
| .90 | 2.47 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 10.00 | 52.00 | 0.19 | 16.00 | 60.00 |
| .86 | 2.341 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 7.00 | 52.00 | 0.13 | 20.00 | 60.001 |
| .38 | 3.08 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.001 | 11.00 | 52.00 | 0.21 | 20.00 | 60.00 |
| .28 | 10.68 | 0.00 | 56.001 | 0.00 | 0.00 | | 0.001 | 5.00 | 52.00 | 0.10 | 16.00 | 60.00 |
| .91 | 4.44 | 1.83 | \$6.00 | 0.03 | 0.00 | | 0.00 | 8.83 | 52.00 | 0.17 | 18.67 | 60.00 |
| .21 | 3.15 | 2.86 | 0.00 | | 0.00 | | 0.00 | 2.40 | 0.00 | 0.05 | 2.42 | |
| .31 | 1.28 | | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.02 | 0.99 | 0.00 |
| .10 | 14.85 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 13.00 | 52.00 | 0.25 | 48.00 | 60.00 |
| | Marketo marioria : | arkinggi ay | | | | a, gariwaya, i | Market Military | 1177, i e . | | Vi. Paren Litaer | | es la production. |
| - | 0.00 | | 54 00 | 0.00 | 0.00 | 2/ 00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| .00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 |
| 34 | 0.24 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| .00 | 0.00 | 0.00 | 56.00 56.00 | 0.00 | | | 0.00 | 0.00 | 52.00 | 0.00 | 2.00 | 60.00 |
| 1.11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0,00 | | | 0.00 |
| .19 | | 0.00 | | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | | |
| .11 | 0.08 | | | 0.00 | 7,00 | 0.00 | 0.00 | 0.50 | | 0.00 | | 3.50 |
| .61 | 0.56 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| .08 | 0.08 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| .20 | 0.20 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| .30 | 0.28 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 1.00 | 60.00 |
| .28 | 0.25 | 0.00 | 0.00 | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 |
| -16 | 0.14 | 0.00 | 0.00 | | 0.00 | | 0.00 | | 0.00 | 0.00 | 1.00 | 0.00 |
| | | | | | | | | | | | | |
| .38 | 0.38 | 0.00 | 56.00 | 0.00 | | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| .08 | 0.08 | 0.00 | 56.00 | 0.00 | | | 0.00 | 0.00 | 52,00 | 0.00 | 5.00 | 60.00 |
| .40 | 0.15 | 0.00 | 56.00 | 0.00 | | | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| .29 | 0.21 | 0.00 | 56.00 | | | | 0.00 | 0.00 | 52.00 | 0.00 | 2.67 | 60.00 |
| .18 | 0.16 | 0.00 | | | 0.00 | | 0.00 | | | | **** 2.52 · | |
| .10 | 0.09 | .0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1:45 | U.W |
| 1.11 | 0,11 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 1.45 | 0.45 | 0.00 | 56.00 | 0.00 | | | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 |
| 0.81 | 0.71 | 0.00 | 56.00 | 0.00 | | | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 3.45 | | 0.00 | 56,00 | | | | | 0.00 | 52.00 | 0.00 | | 60.00 |
| 7.35 | | 0.00 | 0.00 | | 0.00 | | | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 |
| | 0.17 | 0.00 | | | | | | 0.00 | 0.00 | | 1.00 | 0.00 |

| ryrox/Larynx | | | Traches | | yddd maydagdan y 6, 11di | Lungs | assert of the same of the | 14 S. 100 TOS. 100 S. - Heart | 1997 (1986) | HOLLON | Abdomin |
|--------------|--------|-------|-----------|-------|--------------------------|----------|---------------------------|---|---------------------------------------|--|-----------|---------------|
| Possible | Ratio | Score | Possible | Ratio | - Score | Possible | Ratio | Score | Possible | Ratio | Score was | Possib |
| 60.00 | 0.13 | 6.00 | 55.00 | 0.11 | 21.00 | | 0.33 | 0.00 | 48.00 | 0.00 | 22.00 | |
| 60.00 | 0.12 | 5.00 | 55.00 | 0.09 | 21.00 | | 0.33 | 0.00 | 48.00 | 0.00 | 6.00 | 48 |
| 60.00 | 0.30 | 6.00 | 55.00 | 0.11 | 21.00 | | 0.33 | 0.00 | 48.00 | 0.00 | 24.00 | 48 |
| 60.00 | 0.18 | 5.67 | 55.00 | 0.10 | 21.00 | | 0.33 | 0.00 | 48.00 | 0.00 | 17.33 | |
| 0.00 | 0.10 | 0.58 | 0.00 | 0.01 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 9.87 | 0. |
| 0.00 | 0.06 | 0.33 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | × 5.70 | <u></u> 0. |
| 60.00 | 0.27 | 7.00 | 55.00 | 0.13 | 48.00 | 64.00 | 0.75 | 0.00 | 48.00 | 0.00 | 26.00 | 48. |
| 60.00 | 0.12 | 20.00 | 55.00 | 0.36 | 44.00 | 64.00 | 0.69 | 0.00 | 48.00 | 0.00 | 22.00 | 48. |
| 60.00 | 0.30 | 14.00 | 55.00 | 0.25 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 36.00 | 48. |
| 60.00 | 0.23 | 13.67 | 55.00 | 0.25 | 40.67 | 64.00 | 0.64 | 0.00 | 48.00 | 0.00 | 28.00 | wc 48. |
| 0.00 | 0.10 | 6.51 | 0.00 | 0.12 | 9,45 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | ~ 7.21 |) / 99% Q. |
| 0.00 | 0.06 | 3.76 | 0.00 | 0.07 | 5.46 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 4.14 | O. |
| 60.00 | 0.30 | 20.00 | 55.00 | 0.74 | 60.00 | 64.00 | 0.94 | 16.00 | 48.00 | 0.33 | 39.00 | 48. |
| - 60.00 | 0.37 | 40.00 | 55.00 | 0.36 | 39.00 | | 0.61 | 10.00 | 48.00 | 0.33 | 36.00 | 48. |
| 60.00 | 0.27 | 20.00 | 55.00 | 0.36 | 56.00 | | 0.88 | 8.00 | 48.00 | 0.17 | 26.00 | 48. |
| 60.00 | 0.33 | 22.00 | 55.00 | 0.40 | 52.00 | | 0.81 | 0.00 | 48.00 | 0.00 | 26.00 | |
| 60.00 | 0.33 | 36.00 | 55.00 | 0.65 | 60.00 | | 0.94 | 20.00 | 48.00 | 0.42 | 22.00 | |
| 60.00 | 0.27 | 7.00 | 55.00 | 0.13 | 42.00 | | 0.66 | 14.00 | 48.00 | 0.29 | 39.00 | 48. |
| 60.00 | 0.31 | 24.17 | \$5.00 | 0.44 | \$1.50 | | 0.80 | 11.33 | 48.00 | 0.24 | 31.33 | 48. |
| 0.00 | 0.04 | 12.04 | 0.00 | 0.22 | 9.07 | | 0.14 | 7.00 | 0.00 | 0.15 | | |
| 0.00 | 0.02 | 4.92 | 0.00 | 0.09 | | | 0.06 | 2.86 | 0.00 | 0.06 | | |
| 0.00 | 0.02 | 4.72 | | 0.09 | · 3.70 | u.00 | 0.00 | 2.50 | · · · · · · · · · · · · · · · · · · · | ······································ | 3.07 | <u> </u> |
| 60.00 | 0.80 | 52.00 | 55.00 | 0.95 | 52.00 | 64.00 | 0.81 | 8.00 | 48.00 | 0.17 | 39.00 | 48. |
| | | | | | | | | <u>(4) </u> | *** | | | <u> </u> |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48. |
| 60.00 | 0.10 | 4.00 | 55.00 | 0.07 | 4.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 0.00 | 48. |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48. |
| 60.00 | 0.03 | 1.33 | 55.00 | 0.02 | 1.33 | 64.00 | \$0.0 | 0.00 | 48.00 | 0.00 | 0.00 | 48. |
| 0.00 | 0.06 | 2.31 | 0.00 | 0.04 | 2.31 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | :: ····· 0. |
| 0.00 | 0.03 | 1.33 | 0.00 | 0.02 | 1.33 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | D.00 | <i>‱</i> ○ 0. |
| 60.00 | 0.05 | 4.00 | 55.00 | 0.07 | 4.00 | 64.00 | 0.06 | 18.00 | 48.00 | 0.38 | 0.00 | 48. |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 4.00 | 48. |
| 60.00 | 0.00 | 3.00 | 55.00 | 0.05 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 7.00 | 48. |
| 60.00 | 0.02 | 2.33 | 55.00 | 0.04 | 1.33 | 64.00 | 0.02 | 6.00 | 48.00 | | 3.67 | |
| 0.00 | 0.03 | 2.08 | 0.00 | 0.04 | 2.31 | 0.00 | 0.04 | 10.39 | 0.00 | 0.22 | 3.51 | <u> </u> |
| 0.00 | 0.02 | 1.20 | 0.00 | 0.02 | 1.33 | 0.00 | 0.02 | 6200 | 0.00 | | | · 0. |
| | | | | | | | | | | | | |
| 60.00 | 0.00 | 5.00 | 55.00 | 0.09 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 14.00 | 48. |
| 60.00 | 0.08 | 0.00 | 55.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48. |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 5.00 | 48. |
| 60.00 | 0.04 | 1.67 | | 0.03 | 0.00 | | 0.00 | 0.00 | | 0.00 | | 48. |
| · 0.00 | 0.04 » | Z.89 | | | 0.00 | | 0.00 | 0.00 | | | 7.09 | |
| 0.00 | 0.02 | 1.67 | ·····0.00 | 0.03 | 0.00 | 0.00 | C.DO | 0.00 | 0.00 | 0.00 | 4.10 | <u> </u> |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 3.00 | 48. |
| 60.00 | 0.10 | 3.00 | 55.00 | 0.05 | 12.00 | 64.00 | 0.19 | 5.00 | 48.00 | 0.10 | 0.00 | 48. |
| 60.00 | 0.05 | 6.00 | 55.00 | 0.11 | 27.00 | 64.00 | 0.42 | 0.00 | 48.00 | 0.00 | 6.00 | 48. |
| 60.00 | 0.07 | | 55.00 | 0.05 | 13.00 | | 0.20 | 1.67 | 48.00 | | 3.00 | 48. |
| 0.00 | 0.03 | | | 0.05 | 13.53 | | 0.21 | 2.89 | 0.00 | | 3.00 | |
| 0.00 | 0.02 | | 0.00 | 0.03 | | | | 1.67 | | 0.03 | | |

| 10(104 × | bdominet (| and were | Color Sol 1d | Abdominat: | Lighte | | Right Ears | and the second | 1836 (M. 1884) | Left Ears | 100 (SEE E.M.) |
|----------------|------------|--------------|--------------|------------|--------|-----------------|---------------------------------------|----------------|----------------|-------------------|----------------|
| | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| 6.00 | 48.00 | 0.13 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 17.33 | 48.00 | 0.36 | 0.00 | | 0.00 | 1.67 | | 0.04 | 0.00 | 40.00 | 0.00 |
| 9.87 | 0.00 | 0.51 | | 0.00 | 0.00 | 2.89 | 0.00 | 0.07 | 0.00 | | 0.00 |
| 5.70 | 0.00 | 0.12 | 0.00 | ~O.QO | 0.00 | 1.67 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 |
| 26.00 | 48.00 | 0.54 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 36.00 28.00 | 48.001 | 0.75 | 0.00 | 44.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| 7.21 | 48.00 | 0.58 | 1.00 | 44.00 | 20.02 | 0.00 | 40.00 | 0.00 | 1.67 | 40.00 | 0.04 |
| 4.16 | 0.00 | 0.15 0.09 | 1.73 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.07 |
| 7.19 | 0.00 | 0.09 | 1.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.04 |
| 39.00 | 48.00 | 0.81 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 12.00 | 40.00 | 0.30 |
| 36.00 | 48.00 | 0.75 | 3.00 | 44.00 | 0.07 | 3.00 | 40.00 | 0.08 | 12.00 | 40.00 | 0.30 |
| 26.00 | 48.00 | 0.54 | 3.00 | 44.00 | 0.07 | 5.00 | 40.00 | 0.13 | 12.00 | 40.00 | 0.30 |
| 26.00 | 48.00 | 0.54 | 5.00 | 44.00 | 0.11 | 21.00 | 40.00 | 0.53 | 0.00 | 40.00 | 0.00 |
| 22.00 | 48.00 | 0.46 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 12.00 | 40.00 | 0.30 |
| 39.00 | 48.00 | 0.81 | 4.00 | 44.00 | 0.09 | 12.00 | 40.00 | 0.30 | 0.00 | 40.00 | 0.00 |
| 31.33 | 48.00 | 0.65 | 3.00 | 44.00 | 0.07 | 8.83 | 40.00 | 0.22 | 8.00 | 40.00 | 0.20 |
| 7.53 👓 | 0.00 | 0.16 | 1.67 | | 0.04 | 7.68 | 0.00 | 0.19 | 6.20 | 0.00 | 0.15 |
| 3.07 | 0.00 | 0.06 | 0.68 | 0.00 | 0.02 | 3.13 | 0.00 | 0.08 | 2.53 | 0.00 | 0.06 |
| 39.00 | 48.00 | 0.81 | 28.00 | 44.00 | 0.64 | 5.90 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| | | | | *** | | | · · · · · · · · · · · · · · · · · · · | (%) | | a againmeath agus | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 2.00 | 40.00 | 0.05 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | -44.00 | 0.00 | 0.67 | 40.00 | | 0.67 | 40.00 | C.02 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,15 | 0.00 | | 1.15 | 0.00 | ··· > 0.03 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.67 | 0.00 | 0.02 | 0.67 | 0.00 | ····· 0.02 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 0.00 | 40.00 | 0.00 |
| 4.00 | 48.00 | 0.08 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 7.00 | 48.00 | 0.15 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 3.67 | 48.00 | 0.08 | 0.00 | 44.00 | 0.00 | 0.67 | 40.00 | 0.02 | 0.00 | 40.00 | 0.00 |
| | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | *** 1.15 | 0.00 | ം a.თ | 0.00 | 0.00 | ∞ D.00 |
| 2.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0. 02 | 0.00 | 0.00 | 0.00 |
| 14.00 | 48.00 | 0.29 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 10.00 | 40.00 | 0.25 | 0.00 | 40.00 | 0.00 |
| 6.33 | 48.00 | 0.13 | | 44.00 | 0.00 | 3.33 | 40.00 | 0.08 | . O.OC | 40.00 | 0.00 |
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| 3.00 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 6.00 | 48.00 | 0.13 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 3.00 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 1.33 | | | 0.00 | 40.00 | 0.00 |
| 3.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 |
| 1.73 | 0.00 | | | | | | | | | | |

| | | I HOLOGY | | | | | | |
|---|---|---|---|--|--|---------------------|---|-----------|
| Project: | Comple | | Fy 90 | | | | | N |
| Study | Date | Shot | Animal | Orient. | Bw., kg. | Species | | <u> !</u> |
| Fy 90 | 9/6/90 | 1 | 38R | RSO | 48.4 | Sheep | 454 | \perp |
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| MEAN | and the second of the second | | Market Land | , marketin i ut | 43.2 | *********** | | V |
| SD. No. 330. | فالقواري المحمورة | S., 18.2-138,48 | | | 4.8 | | erita de la composição de la composição de la composição de la composição de la composição de la composição de | 34.1 |
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| | 9/18/90 | 1 | 54(3L4R) | RSO | 40.0 | | 907 | +- |
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| ie ganta. | 7/30/90 | 1 | 48 | RSO | 2.5 × 1.5 38.6 | | 114 | . * . |
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| 1y 90 1ean 50 55 5y 90 | 7/30/90 8/15/90 9/25/90 10/2/90 9/13/90 9/13/90 8/20/90 9/26/90 10/3/90 9/14/90 8/21/90 9/27/90 | 1 | 4R 24L 57(FP) 66(FP) 44(1L2R) 46(2L1R) 7L 27R 59(FP) 69(FP) 47(1L2R) 49(2L1R) 10R 30L 61(FP) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 2.5 38.6 36.4 40.9 36.8 41.4 36.4 38.4 2.3 0.9 38.6 35.7 46.4 39.8 38.6 39.8 4.0 39.8 4.0 | Sheep | 227 227 227 227 227 227 227 227 2454 454 | |
| iean Bo Sy 90 | 7/30/90 8/15/90 9/25/90 10/2/90 9/13/90 9/13/90 8/20/90 9/26/90 10/3/90 9/14/90 8/21/90 9/27/90 10/4/90 | 1 | 4R 24L 57(FP) 66(FP) 44(1L2R) 46(2L1R) 7L 27R 59(FP) 69(FP) 47(1L2R) 49(2L1R) 10R 30L 61(FP) 72(FP) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 2.5 38.6 36.4 40.9 36.8 41.4 36.4 38.4 2.3 0.9 38.6 35.7 46.4 39.8 38.6 39.8 4.0 39.8 4.0 | Sheep | 227 227 227 227 227 227 227 227 227 227 | |
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| iy 90 lean to se | 7/30/90 8/15/90 9/25/90 10/2/90 9/13/90 9/13/90 8/20/90 9/26/90 10/3/90 9/14/90 8/21/90 8/21/90 9/17/90 | | 4R 24L 57(FP) 66(FP) 44(1L2R) 46(2L1R) 7L 27R 59(FP) 69(FP) 47(1L2R) 49(2L1R) 10R 30L 61(FP) 72(FP) 50(1L2R) 52(2L1R) | RSO RSO RSO RSO RSO RSO RSO RSO RSO RSO | 2.5 38.6 36.4 40.9 36.8 41.4 36.4 2.3 0.9 38.6 35.7 46.4 39.8 39.8 39.8 4.0 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 | Sheep | 114 114 114 114 114 116 116 116 227 227 227 227 227 227 227 227 227 22 | |
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| £. | Bw.,kg. | Species | Charge, g. | HOS, ft. | Range, ft. | Config. | RL | 1 30 HL | × TL3 | a RLP | LLP | TLP | Fe |
| | 48.4 | Sheep | 1 454 | 4 | 4 | A-4 | 221.50 | 153.00 | 374.50 | 0.50 | 0.35 | 0.85 | Ī |
| | 42.0 | | 454 | 4 | 4 | A-4 | 226.00 | 154.00 | 380.00 | 0.54 | 0.37 | 0.90 | |
| | 39.1 | 1 | 454 | 4 | 4 | A-7 | 219.00 | 160.00 | 379.00 | 0.56 | 0.41 | 0.97 | 1 |
| | 43.2 | · | | an en en en en en en | 111 101 101 | Maria Agent Com | 222.17 | 155.67 | 377.83 | 0.53 | 0.38 | 0.91 | |
| | 4.8 | | 5 5 5 5 5 5 | garta e i gle e | 11 11 11 | . apparat | 3.55 | 3.79 | 2.93 | 0.03 | 0.03 | 0.06 | |
| - | | | 80 7.3 3 | | namu 1 4.8 00g na | an titologistik | 2.05 | 2.19 | 1.69 | 0.02 | | 0.03 | |
| _ | 1 | 1 | | | T | | | 1 | 1 | 1 | 1 | T | \top |
| | 37.5 | | 454 | 4 | 4 | A-5 | 200.00 | 137.50 | 337.50 | 0.53 | 0.37 | 0.90 | + |
| | 50.7 | | 454 | 4 | 4 | A-6 | 324.00 | 337.00 | 661.00 | 0.64 | 0.66 | 1.30 | ┿ |
| | 40.0 | | 454 | 4 | - | A-7 | 200.00 | 149.00 | 349.00 | 0.50 | 0.37 | 0.87 | + |
| | 42.7 | | | | | and the second | 241.33 | 207.83 | 449.17 | 0.56 | | 1.02 | |
| | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | plikaj e papialija pie napo | | 71.59 | 112.01 | 183.54 | 0.07 | | 0.24 | ali e ali |
| 40.48s | | · 4 0 X (3 A | | | Translations | | | 64.67 | 105.97 | 0.04 | | ··· 0.14 ·· | |
| 40000 | | | | | | y or one of the second | | 1 | 103.77 | 0.0 | | 3 190 U. 16 W. | 22 - 246 |
| | /0.5 | Share . | 907 | 4 | 4 | A-4 | 332.00 | 175.00 | 507.00 | 0.93 | 0.17 | | ┿ |
| | 40.5 | Sheep | | | 4 | A-4 | 259.50 | | | 0.82 | 0.43 | 1.25 | + |
| | 43.6 | ļ | 907 | 4 | | | | 155.50 | 415.00 | 0.60 | 0.36 | 0.95 | +- |
| | 41.8 | 1 | 907 | 4 | 4 | A-7 | 223.00 | 145.50 | 368.50 | 0.53 | 0.35 | 0.88 | |
| | | the same of the sa | | | oog toget in being with di | | 271.50 | 158.67 | 430.17 | 0.65 | | 1.03 | (3) No. 100 |
| | 1.6 | | na nyaétasi | | stack is a firm of tell | er en er er er er er er er er er er er er er | 55.48 | 15.00 | 70.48 | 0.15 | | ······ 0.20 | 3 3 3 |
| 4,11 | 0.9 | | | | A CONTRACTOR OF THE CONTRACTOR | | 32.03 | 8,66 | 40.69 | 0.09 | 0.03 | 0.11 | |
| | | | | | | | 370 55 | 1 444 55 | 1 700 55 | 1 -2 | + | <u> </u> | 1_ |
| | 40.0 | | 907 | 4 | 4 | A-5 | 238.50 | 146.00 | 384.50 | 0.60 | 0.36 | 0.96 | |
| | 44.1 | | 907 | 4 | 4 | A-6 | 340.00 | 421.00 | 761.00 | 0.77 | 0.95 | 1.73 | <u> </u> |
| | 39.5 | <u> </u> | 907 | 4 | 4 | A-7 | 326.50 | 234.50 | 561.00 | 0.83 | 0.59 | 1.42 | |
| | | | 3 8 8 C 6 2 6 | | | emplomas viv. | 301.67 | 267.17 | 568.83 | 0.73 | | ≈≈1.37 × | |
| (A.) | | | | | | | 55.12 | ··· 140.38 | · 188.37 | 0.12 | | 0.39 | |
| 4 8 3 | <u>*:::::: 1.5 ::::::</u> | | Contract Special Contract | Market St. St. | George (CO) | in the second second second second second second second second second second second second second second second | 31.82 | <u> </u> | 108.76 | 0.07 | 0.17 | ≫ 0.22 ∞ | and. |
| | <u> </u> | | <u> </u> | | <u> </u> | | | ļ | ļ | | 1 | | |
| | 38.6 | Sheep | 114 | 4 | 4.7 | A-1 | 215.00 | 162.00 | 377.00 | 0.56 | 0.42 | 0.98 | |
| | 36.4 | | 114 | 4 | 4.7 | A-3_ | 212.00 | 151.00 | 363.00 | 0.58 | 0.41 | 0.99 | 1 |
| | 40.9 | | 114 | 4 | 4.7 | A-6 | 256.00 | 188.50 | 444.50 | 0.63 | 0.46 | 1.09 | 1 |
| | 36.8 | | 114 | 4 | 4.7 | A-7 | 194.00 | .36.00 | 330.00 | 0.53 | 0.37 | 0.90 | 1 |
| | 41.4 | | 114 | 4 | 4.7 | A-5 | 216.50 | 145.00 | 361.50 | 0.52 | 0.35 | 0.87 | 1 |
| | 36.4 | | 114 | 4 | 4.7 | A-5 | 210.00 | 154.00 | 364.00 | 0.58 | 0.42 | 1.00 | 1 |
| 878 | 38.4 | i z Chinki i s | 200 | | | and the second of the second o | 217.25 | 156.08 | 373.33 | 0.57 | 0.41 | 0.97 | gymy. |
| , in jiyo | 2.3 | | | gagafgjaffigga at gagggaras | gyin nasidi nga | ariki West 👍 | 20.63 | 18.12 | 38.18 | 0.04 | | | vyj, Ara, |
| | | | 2002 VOX. | 1 | pouch a market consister and | | | | | | D. O | · 0.08 · | |
| 100 | 0.9 | 11.2618523.5e-jú | | | | (1400-1840) | · 8.42 | ··· 7.40 | 15.59 | 0.02 | | 0.08 | 5 6. S.C. |
| 1889 | 0.9 | | | | | | 8.42 | | | 0.02 | | 0.08 | 8, 4,800 |
| | | | | | | A-1 | | 7.40 | 15.59 | | 0.02 | 0.03 ··· | |
| | 38.6 | Sheep | 227 | | | | 200.00 214.50 | | 15.59 345.00 | 0.52 | 0.02 | 0.89 | |
| | 38.6 35.7 | | 227 | 4 | 4.7 | A-1 | 200.00 | 145.00 153.00 | 345.00 367.50 | 0.52 | 0.02 0.37 0.43 | 0.89 1.03 | 1 |
| | 38.6 35.7 46.4 | | 227 227 227 227 | 4 | 4.7 | A-1 A-3 A-6 | 200.00 214.50 250.00 | 7.40 145.00 153.00 198.00 | 345.00 367.50 448.00 | 0.52 0.60 0.54 | 0.02 0.37 0.43 0.43 | 0.89 1.03 0.97 | |
| | 38.6 35.7 46.4 39.8 | | 227 227 227 227 227 | 4 4 | 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 | 200.00 214.50 250.00 187.00 | 7.40 145.00 153.00 198.00 131.00 | 345.00 367.50 448.00 318.00 | 0.52 0.60 0.54 0.47 | 0.02 0.37 0.43 0.43 0.33 | 0.89 1.03 0.97 0.80 | |
| | 38.6 35.7 46.4 | | 227 227 227 227 227 227 | 4 4 | 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 | 200.00 214.50 250.00 | 7.40 145.00 153.00 198.00 | 345.00 367.50 448.00 | 0.52 0.60 0.54 | 0.02 0.37 0.43 0.43 | 0.89 1.03 0.97 | 1 |
| | 38.6 35.7 46.4 39.8 38.6 | Sheep | 227 227 227 227 227 227 227 | 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 | 200.00 214.50 250.00 187.00 218.00 | 145.00 153.00 198.00 131.00 156.50 | 345.00 347.50 448.00 318.00 374.50 | 0.52 0.60 0.54 0.47 0.56 | 0.02 0.37 0.43 0.43 0.33 0.41 | 0.89 1.03 0.97 0.80 0.97 | 1 1 |
| | 38.6 35.7 46.4 39.8 38.6 | Sheep | 227 227 227 227 227 227 227 | 4 | 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 | 200.00 214.50 250.00 187.00 218.00 | 7.40 145.00 153.00 198.00 131.00 156.50 | 345.00 347.50 448.00 318.00 374.50 | 0.52 0.60 0.54 0.47 0.56 | 0.02 0.37 0.43 0.43 0.33 0.41 | 0.89 1.03 0.97 0.80 0.97 | |
| | 38.6 35.7 46.4 39.8 38.6 39.8 | Sheep | 227 227 227 227 227 227 227 227 | 4 | 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 | 200.00 214.50 250.00 187.00 218.00 | 7.40 145.00 153.00 198.00 131.00 156.50 | 345.00 367.50 448.00 318.00 374.50 | 0.52 0.60 0.54 0.47 0.56 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 | 0.89 1.03 0.97 0.80 0.97 | |
| | 38.6 35.7 46.4 39.8 38.6 39.8 | Sheep | 227 227 227 227 227 227 227 | 4 | 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 | 200.00 214.50 250.00 187.00 218.00 | 7.40 145.00 153.00 198.00 131.00 156.50 | 345.00 367.50 448.00 318.00 374.50 | 0.52 0.60 0.54 0.47 0.56 | 0.02 0.37 0.43 0.43 0.33 0.41 | 0.89 1.03 0.97 0.80 0.97 | |
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| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 | Sheep | 227 227 227 227 227 227 227 227 | 4 | 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 | 7.40 145.00 153.00 198.00 131.00 156.50 156.70 25.08 11.22 | 345.00 367.50 448.00 318.00 374.50 570.60 48.57 21.72 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.04 0.04 0.02 | 0.03 0.89 1.03 0.97 0.80 0.97 | 1 1 1 1 1 1 2 2 |
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| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 | Sheep | 227 227 227 227 227 227 227 227 454 454 | 4 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-1 A-3 A-6 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 | 345.00 367.50 448.00 318.00 374.50 570.60 48.57 21.72 336.00 307.50 531.50 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.04 0.02 0.33 0.33 0.39 0.52 | 0.03 0.89 1.03 0.97 0.80 0.97 | 1 |
| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 | Sheep | 227 227 227 227 227 227 227 227 454 454 454 | 4 4 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-1 A-3 A-6 A-7 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 275.00 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 202,00 | 345.00 367.50 448.00 318.00 374.50 370.60 48.57 21.72 336.00 307.50 531.50 477.00 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 0.05 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.04 0.02 0.33 0.33 0.39 0.52 0.42 | 0.03 0.89 1.03 0.97 0.80 0.97 | 1 1 1 1 1 1 1 1 1 |
| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 48.2 40.2 | Sheep | 227 227 227 227 227 227 227 227 454 454 454 454 | 4 4 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-1 A-3 A-6 A-7 A-5 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 275.00 241.50 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 202,00 166,50 | 345.00 367.50 448.00 318.00 374.50 374.50 48.57 21.72 336.00 307.50 531.50 477.00 408.00 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 0.05 0.05 0.67 0.57 0.60 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.04 0.02 0.33 0.33 0.39 0.52 0.42 0.41 | 0.89 1.03 0.97 0.80 0.97 | 2 2 1 1 1 1 1 1 1 |
| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 48.2 40.2 39.8 | Sheep | 227 227 227 227 227 227 227 227 227 2454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-1 A-3 A-6 A-7 A-5 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 275.00 241.50 226.50 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 202,00 166,50 168,00 | 345.00 367.50 448.00 318.00 374.50 570.60 48.57 21.72 336.00 307.50 531.50 477.00 408.00 394.50 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 0.05 0.67 0.57 0.60 0.57 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.02 0.02 0.33 0.39 0.52 0.42 0.41 0.42 | 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.78 0.92 1.19 0.99 1.01 0.99 | 1 1 1 1 1 1 1 1 1 |
| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 48.2 40.2 39.8 41.6 | Sheep | 227 227 227 227 227 227 227 227 227 2454 454 454 454 454 454 | 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-1 A-3 A-6 A-7 A-5 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 275.00 241.50 226.50 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 202,00 166,50 168,00 173,50 | 345.00 367.50 448.00 318.00 374.50 374.50 374.50 336.00 307.50 531.50 477.00 408.00 394.50 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 0.05 0.05 0.53 0.67 0.57 0.60 0.57 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.02 0.33 0.39 0.52 0.42 0.41 0.42 | 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.78 0.99 1.19 0.99 1.01 0.99 0.98 | 2 2 1 1 1 1 1 1 1 |
| | 38.6 35.7 46.4 39.8 38.6 39.8 4.0 1.8 43.2 33.4 44.5 48.2 40.2 39.8 41.6 | Sheep | 227 227 227 227 227 227 227 227 227 2454 454 454 454 454 | 4 4 4 4 4 4 4 4 4 4 | 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 | A-1 A-3 A-6 A-7 A-5 A-5 A-1 A-3 A-6 A-7 A-3 A-6 A-7 A-5 A-5 | 200.00 214.50 250.00 187.00 218.00 213.90 23.65 10.58 193.00 177.50 300.00 275.00 241.50 226.50 235.58 46.92 | 7,40 145,00 153,00 198,00 131,00 156,50 156,70 25,08 11,22 143,00 130,00 231,50 202,00 166,50 168,00 | 345.00 367.50 448.00 318.00 374.50 570.60 48.57 21.72 336.00 307.50 531.50 477.00 408.00 394.50 | 0.52 0.60 0.54 0.47 0.56 0.54 0.05 0.05 0.05 0.05 0.05 0.67 0.57 0.60 0.57 | 0.02 0.37 0.43 0.43 0.33 0.41 0.39 0.02 0.02 0.33 0.39 0.52 0.42 0.41 0.42 | 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.93 0.09 0.78 0.92 1.19 0.99 1.01 0.99 0.98 0.13 | 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| 1 melan | of injury | Severity | Morbidity | | 18 No. | | , t i i ji i i i i i i i i i i i i i i i | Morbidity | i ty Wei | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Index | Retios | Cereb.Air | Coron.Air | Nemother. | Nemoper. | Pneumo. | COO | 100,min. | IOS, hrs. | Fet/Surv. | TLP | P |
| 1.14 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 1.00 | 1.00 | 0.85 | 55 |
| 2.21 | 1.21 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | | | 3.00 | 1.00 | 0.90 | 7 |
| 1.00 | 1.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 2.00 | 1.00 | 0.97 | 1 |
| 1.45 | 1.12 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | | | 1.00 | | 0.91 | 88 |
| 0.66 | | 0.00 | 0.00 | 0.00 | 0.58 | | | algarat eugitis | n i Erijikanayee in | <u> </u> | 0.06 | 3 |
| 0.38 | 0.06 | 8.00 | 0.00 | G.00 | 0.33 | 0.00 | | | | Lead 1 glory | 0.03 | 2 |
| 1.42 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | 1.00 | 0.90 | 7 |
| 1.63 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 1.00 | 1.00 | 1.30 | 5 |
| 1.12 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 1.00 | 1.00 | 0.87 | 7 |
| 1,39 | 1.39 | | 0.00 | 0.00 | 0.00 | 0.00 | n an Leady Lock | rigiday washin m | | | 1.02 | 7. |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | ****** | | | n in a section of the second | 0.24 | 7 |
| 0.15 | | | | 0.00 | 0.00 | 0.00 | | | | | | |
| | | | | | | | | | | 1 | | |
| 2.49 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | | 1.00 | 1.25 | |
| 1.77 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 1.00 | 1.00 | 0.95 | |
| 1.83 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 1.00 | 1.00 | 0.88 | |
| 7.03 | | | * G.DO | | 0.00 | Ø.DO | | | * (0.49 | | 1.03 | i v. |
| 0.40 | 0.40 | | 0.00 | 0.00 | 0.00 | 0.00 | | e geljaar i opgeligj | A STATE OF THE STA | sing at the may | 0.20 | |
| 0.23 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | 0.11 | |
| 5.96 | 2.96 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | | | 7.00 | 1.00 | 0.04 | |
| 2.44 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 3.00 | 1.00 | 0.96 | _ |
| | | | | | | | | | 1.00 | 1.00 | 1.73 | |
| 2.90 3.77 | 1.90 <u> </u> *** 2.43 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | A bridge subsective service | | 1.00 | 1.00 | 1.42 | _ |
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| | 0.48 | | | | | | | | | | | |
| 0.48 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 3.00 | 1.00 | 0.98 | |
| 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 3.00 3.00 | 1.00 | 0.98 | |
| 0.48 0.41 0.33 | 0.41 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | | | 3.00 3.00 2.00 | 1.00 1.00 1.00 | 0.98 0.99 1.09 | 2 |
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| 0.48 0.41 0.33 0.07 | 0.41 0.33 0.07 0.18 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | | | 3.00 3.00 2.00 3.00 1.00 | 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.90 0.87 | 2 1 5 7 5 |
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| 0.48 0.41 0.33 0.07 0.18 0.49 0.23 0.17 0.07 0.58 0.35 0.30 0.31 0.50 | 0.41 0.33 0.07 0.18 0.49 0.33 0.17 0.58 0.35 0.35 0.30 0.31 0.50 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.06 | PRESHOT | 3.00 3.00 2.00 3.00 1.00 3.00 3.50 3.50 3.50 3.50 3.50 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.90 0.87 1.00 0.97 0.08 0.03 0.89 1.03 0.97 0.80 | |
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| 0.48 0.41 0.33 0.07 0.18 0.49 0.23 0.17 0.07 0.35 0.35 0.35 0.30 0.31 0.50 0.12 | 0.41 0.33 0.07 0.18 0.49 0.33 0.17 0.07 0.58 0.35 0.30 0.31 0.50 0.31 0.50 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.06 | PRESHOT | 3.00 3.00 2.00 3.00 1.00 3.00 3.50 3.50 3.50 3.50 3.10 6.42 0.19 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.87 1.00 0.97 0.08 0.03 0.89 1.03 0.97 0.80 0.97 0.78 0.09 | 77 33 33 33 33 33 33 33 33 33 33 33 33 3 |
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| 0.48 0.41 0.33 0.07 0.18 0.49 0.23 0.17 0.07 0.35 0.35 0.30 0.31 0.50 0.12 0.12 0.12 0.13 0.15 | 0.41 0.33 0.07 0.18 0.49 0.33 0.17 0.07 0.58 0.35 0.30 0.31 0.50 0.50 0.12 0.12 0.08 0.12 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.06 | PRESHOT | 3.00 3.00 2.00 3.00 1.00 3.00 3.50 3.50 3.50 3.50 3.50 3.00 2.50 3.10 6.42 6.19 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.87 1.00 0.97 0.08 0.03 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.99 1.01 0.99 | |
| 0.48 0.41 0.33 0.07 0.18 0.49 0.53 0.37 0.35 0.35 0.30 0.31 0.50 0.12 0.12 0.12 0.12 0.13 | 0.41 0.33 0.07 0.18 0.49 0.33 0.17 0.58 0.35 0.30 0.31 0.50 0.12 0.64 0.99 1.05 0.50 0.95 | 0.00 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 | 0.06 | PRESHOT | 3.00 3.00 2.00 3.00 1.00 3.00 3.50 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.87 1.00 0.97 0.08 0.03 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.99 1.01 0.99 0.98 | |
| 0.48 0.41 0.33 0.07 0.18 0.49 0.23 0.17 0.07 0.35 0.35 0.30 0.31 0.50 0.12 0.12 0.12 0.13 0.15 | 0.41 0.33 0.07 0.18 0.49 0.33 0.17 0.58 0.35 0.30 0.31 0.50 0.31 0.50 1.74 0.81 0.64 0.99 1.05 0.50 0.95 | 0.00 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.06 | PRESHOT | 3.00 3.00 2.00 3.00 1.00 3.00 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 0.98 0.99 1.09 0.90 0.87 1.00 0.97 0.08 0.03 0.89 1.03 0.97 0.80 0.97 0.80 0.97 0.99 0.04 | 4 |

| Jry | A | djusted | | ernal Lesio | | ig i Signification d | fractures | an spiksija in nate | er er er er er | Burns | | Phory |
|-----------------|-------------|-------------|-------|-------------|-------|----------------------|-----------|---------------------|----------------|----------|--|---|
| ios | Index | Index | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | Score Po |
| 14 | 1.14 | 1.12 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | 4.001 |
| 21 | 2.21 | 2.21 | 0.00 | 56.001 | 0.00 | 0.00 | 24.001 | 0.00 | 0.00 | 52.00 | 0.00 | 5.001 |
| 00 | 1.00 | 0.90 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 24.001 |
| 12 | 1.45 | 1.41 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 11.00 |
| 10 | 0.66 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.27 |
| 06 | 0.38 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.51 |
| | | T | | | | | | | | | | |
| 42 | 1.42 | 1.32 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 6.00 | 52.001 | 0.12 | 7.00 |
| 63 | 1.63 | 1.53 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | 7.00 |
| 12 | 1.12 | 1.12 | 0.00 | 56.00 | 0.00 | 0.00 | 24.001 | 0.00 | 8.00 | 52.001 | 0.15 | 7.001 |
| 39 | 1.39 | 1.32 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 4.67 | | 0.09 | 7.00 |
| 26 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 4.16 | | 0.08 | Name and Address of the Owner, where the Parket |
| 15 | 0.15 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 2.40 | | 0.05 | 0.00 |
| | 4, 13 | V. 12 | 9.00 | 0.50 | V.50 | 7.50 | 7.50 | 0.50 | | | | |
| 49 | 2 (0 | 2 74 | 0.00 | 64 00 | 0.00 | 0.00 | 3/ 00 | 0.00 | 8.00 | 52.00 | 0.15 | 9.001 |
| 77 | 2.49 | 2.36 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 8.00 | | 0.15 | 5.001 |
| | 1.77 | 1.47 | 0.00 | 56.00 | | | | | 11.00 | | 0.21 | 8.001 |
| 83 - | 1.83 | 1.28 | 0.00 | 56.00 | 0.00 | 0.00 | 24.001 | 0.001 | 9.00 | 52.00 | | 7.33 |
| 03 | Z.03 | 1.70 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.08 | | 0.00 | 0.03 | 2.08 |
| 40 | 0.40 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 1.73 | | 0.02 | |
| 23 📀 | 0.23 | 0.33 | 0.00 | 0.00 | 0.00 | 0,00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.02 | 1.40 |
| | | | | | | | | | | <u> </u> | | 30 00 |
| 961 | 5.96 | 5.74 | 5.00 | 56.00 | 0.09 | 0.00 | | 0.00 | 10.00 | 52.00 | 0.19 | 20.001 |
| 441 | 2.44 | 2.44 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 22.00 | | 0.42 | 18.00 |
| 90 | 2.90 | 2.90 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 11.00 | | 0.21 | 22.001 |
| 43 | 3.77 | 3.69 | | 36.00° | 0.03 | 0.00 | | 0.00 | 14.33 | | 0.28 | 20.00 |
| 53 | 1.91 | 1.79 | Z.89 | | 0.05 | 0.00 | | 0.00 | 6.66 | | | *** Z.00 |
| 31 | 4.11 | ······1.03 | | | 0.03 | 0.00 | 0.00 | 0.00 | 3.84 | 0.00 | ····×0.07 | ······ 1.15 × |
| | | | | | | | | | | | | |
| 48 | 0.48 | 0.08 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | |
| 41 | 0.41 | 0.11 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | |
| 33 | 0.33 | 0.21 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | |
| 07 | 0.07 | 0.07 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52,00 | 0.00 | |
| 181 | 0.18 | 0.05 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | |
| 491 | 0.49 | 0.19 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 6.001 |
| 33 | 0.33 | 0.12 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.17 |
| 17. | 0.17 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 |
| 07 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 2556 1.11. oc |
| | | | | | | | | | | | | |
| 581 | 0.58 | 0.28 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.001 | 0.00 | 4.00 |
| 35 | 0.35 | 0.22 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| 30 | 0.30 | 0.30 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| | | | | | 0.00 | 0.00 | | 0.00 | 0.00 | 53.00 | 0.00 | |
| 50 | 0.31 | 0.31 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| - | 0.50 | 0.30 | 0.00 | 20.00 | | <u>v.v.</u> | 24.00 | 0.00 | <u>v.v</u> | 72.00 | | |
| 41 | 0.41 | 0.32 | 0.00 | ×56.00 | 0.00 | 0.00 | 24.00 | n 00 | 0.00 | 52.00 | 0.00 | 4.40 |
| 12 | | | | 0.00 | 0.00 | 0.00 | | 0.00 | | 0.00 | | 1.16 |
| | | ********* | 0.00 | | | | | 0.00 | | | 0.00 | |
| | ~ OU. U. VO | ْ دى. ن | 0.00 | | 0.00 | | 0.00 | 0.00 | | | ************************************** | |
| -, - | | | | | | 0.00 | | | 0.00 | 52.00 | 0.00 | 7.00 |
| 74 | 7.49 | 7.24 | 0.00 | 50-00 | 0.00 | 0.00 | | 0.00 | 0.00 | | | |
| 81 | 0.81 | 0.69 | 0.00 | | 0.00 | 0.00 | | | 0.00 | | 0.00 | |
| 64 | 0.64 | 0.59 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| 99 | 0.99 | 0.99 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| 051 | 1.05 | 0.95 | 0.00 | | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| 50 | 0.50 | 0.47 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| 95 | 1.91 | 1.82 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | |
| .44 | 2.74 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40. | 1.12 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 |

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| 5.00 | 60.00 | 0.08 | 6.00 | 55.00 | 0.11 | 18.00 | 64.00 | 0.28 | 5.00 | 48.00 | 0.10 | 26.001 |
| 24.001 | 60.001 | 0.40 | 6.00 | 55.00 | 0.11 | 12.00 | 64.00 | 0, 19 | 0.00 | 48.00 | 0.00 | 10.00 |
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| 11.27 | 0.00 | 0.19 | 0.58 | 7.00 | 0.01 | 6.00 | 0.00 | 0.09 | 2.89 | 0.00 | 0.06 | 9.87 |
| 6.51 | 0.00 | 0.11 | 0,33 | 0.00 | ···· 0.01 | 3.46 | 0.00 | 0.05 | 1.67 | 0.00 | 0.03 | 5.70 |
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| 7.00 | 60.00 | 0.12 | 6.00 | 55.00 | 0.11 | 21.00 | | 0.33 | 5.00 | 48.00 | 0.10 | 22.00 |
| 7.00 | 60.001 | 0.12 | 12.00 | 55.00 | 0.22 | 39.00 | | 0.61 | 14.00 | 48.00 | 0.29 | 14.001 |
| 7.00 | 60.001 | 0.12 | 6.00 | 55.00 | 0.11 | 12.00 | | 0,19 | 0.001 | 48.00 | 0.00 | 22.00 |
| 7.00 | 60.00 | 0.12 | | 55.00 | | 24.00 | 64.00 | 0.38 | 6.33 | 48.00 | 0.13 | 19.33 |
| 0.00 | 0.00 | 0.00 | 3.46 | 0.00 | 0.06 | 13.75 | | 0.21 | 7.09 | | | 4.62 |
| 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.04 | 7.94 | 0.00 | 0.12 | 4.10 | 0.00 | 0.09 | 2.67 |
| 0.00 | 40.00 | | 70.00 | | | | | | 10 001 | | | |
| 9.00i | 60.00 | 0.15 | 20.00 | 55.00 | 0.36 | 56.00 | | 0.88 | 10.00 | 48.00 | 0.21 | 26.00 |
| 8.00 | 60.00 | 0.08 | 7.00 | 55.00 | 0.13 | 30.00 | | 0.47 | 0.00 | 48.00 | 0.00 | 26.001 |
| 7.33 | 60.00 | 0.13 | 6.001 | 55.00 | 0.11 | 21.00 | | 0.33 | 0.001 | 48.00 | 0.00 | 24.001 |
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| 18.00 | 60.00 | 0.30 | 20.00 | 55.00 | 0.36 | 52.00 | 64.00 | 0.81 | 0.00 | 48.00 | 0.00 | 26.00 |
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| 3.17 | 60.00 | 0.05 | 2.83 | 55.00 | 0.05 | 0.00 | 64.00 | 0.00 | 0.67 | 48.00 | # 0.01 | 0.00 |
| 2.71 | 0.00 | 0.05 | 3.13 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 1.63 | 0.00 | × × 0.03 | 0.00 |
| 1.11 | 0.00 | 0.02 | 1.28 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.01 | 0.00 |
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| 4.001 | 60.00 | 0.07 | 7.00 | 55.00 | 0.13 | 0.00 | 64.00 | 0.00 | 0.001 | 48.00 | 0.00 | 4.001 |
| 3.00 | 60.00 | 0.05 | 6.00 | 55.00 | 0.11 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 3.001 |
| 6.00 | 60.00 | 0.10 | 2.00 | 55.00 | 0.04 | 0.00 | 64.00 | 0.00 | 5.00 | 48.00 | 0.10 | 3.001 |
| 5.001 | 60.001 | 0.08 | 5.00 | 55.00 | 0.09 | 5.00 | 64.00 | 0.08 | 0.00 | 48.00 | 0.00 | 3.00 |
| 4.001 | 60.00 | 0.07 | 0.00 | 55.00 | 0.00 | 4.00 | 64.00 | 0.06 | 14.00 | 48.00 | 0.29 | 4.00 |
| | | | | | | | | | | | | |
| 4.40 | 60.00 | 0.07 | | \$5.00 | 0.07 | 1.80 | 64.00 | | 3.80 | | | 3.40 |
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| 7.00 | 60.00 | 0.12 | 7.00 | | 0.13 | 16.00 | 64.00 | 0.25 | 30.00 | 48.00 | 0.63 | 24.00 |
| 12.00 | 60.00 | 0.12 | 7.00 | 55.00 55.00 | 0.13 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 9.00 |
| 16.00 | 60.00 | 0.27 | 7.00 | 55.00 | 0.13 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 6.00 |
| 20.00 | 60.00 | 0.33 | 5.00 | 55.00 | 0.09 | 14.00 | 64.00 | 0.22 | 0.00 | 48.00 | 0.00 | 18.00 |
| 8.00 | 60.00 | 0.13 | 5.00 | 55.00 | 0.09 | 12.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 9.00 |
| 11.67 | 60.00 | 0.19 | 5.83 | 55.00 | 0.11 | 11.67 | | 0.18 | 5.00 | 48.00 | 9 0.10 | 13.67 |
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| 2.20 | 0.00 | 0.04 | 0.54 | 0.00 | 0.01 | 1.67 | | | | | 0.10 | 2.79 |
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| 10.00 | 48.00 | 0.21 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
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| 0.00 | 48.00 | | | | 0.00 | 12.00 | 40.00 | 0.30 | 0.00 | 40.00 | 0.00 |
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| | 10/5/90 | 1 | 75(FP) | RSO | 40.5 | | 907 | 4 | 4.7 |
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| IEAN STEEL S | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 | 1 1 1 1 1 | 118(EAR) 120(EAR) 118(EAR) 122(EAR) 124(EAR) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 | | 2-227 2-227 2-227 2-227 2-227 227-454 227-454 | 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 |
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| IEAN STEEL S | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 | 1 1 1 1 1 | 118(EAR) 120(EAR) 118(EAR) 122(EAR) 124(EAR) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 | | 2-227 2-227 2-227 2-227 227-454 227-454 227-454 | 4 | 5.6 5.6 5.6 5.6 5.6 5.6 |
| EAN Y90 EAN D | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 | 1 1 1 1 1 1 1 1 | 118(EAR) 120(EAR) 118(EAR) 122(EAR) 124(EAR) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 | | 2-227 2-227 2-227 2-227 227-454 227-454 227-454 | 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 |
| EAN STATE OF THE S | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 | 1 | 118(EAR) 118(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 | | 2-227 2-227 2-227 2-227 227-454 227-454 227-454 | 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 |
| IEAN STAN | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 | 1 1 1 1 1 1 1 1 | 118(EAR) 118(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 | Sheep | 2-227 2-227 2-227 2-227 227-454 227-454 227-454 227-454 454 454 454 454 | 4 4 4 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 |
| IEAN ID IE IE Y90 IEAN D IE Y 90 | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | | 118(EART) 120(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) 86(GF) 89(GF) 92(GF) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO RSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 | Sheep | 2-227 2-227 2-227 2-227 2-227 227-454 227-454 227-454 454 454 454 454 454 | 4 4 4 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 6.6 6.6 6.6 |
| IEAN Y90 IEAN D EAN Y 90 | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | | 118(EART) 120(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) 86(GF) 89(GF) 92(GF) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 | Sheep | 2-227 2-227 2-227 2-227 2-227 227-454 227-454 227-454 454 454 454 454 454 | 4 4 4 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 6.6 6.6 6.6 |
| IEAN Y90 IEAN D EAN Y 90 | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | | 118(EART) 120(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) 86(GF) 89(GF) 92(GF) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 | Sheep | 2-227 2-227 2-227 2-227 2-227 227-454 227-454 227-454 454 454 454 454 454 | 4 4 4 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 |
| IEAN Y90 IEAN D EAN Y 90 | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | | 118(EART) 120(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) 86(GF) 89(GF) 92(GF) | LSRSO LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 41.1 | Sheep | 2-227 2-227 2-227 2-227 227-454 227-454 227-454 227-454 454 454 454 454 | 4 4 4 4 4 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 |
| IEAN D IE | 1/8/91 1/15/91 1/15/91 1/9/91 1/16/91 1/25/91 10/31/90 11/1/90 11/12/90 11/14/90 11/16/90 | | 118(EART) 120(EAR) 118(EAR) 122(EAR) 124(EAR) 77(EART) 80(EART) 86(GF) 89(GF) 92(GF) | LSRSO LSRSO LSRSO LSRSO LSRSO RSO RSO RSO RSO | 36.4 35.7 39.5 37.2 2.0 1.2 43.6 36.4 38.4 39.5 3.7 2.1 40.5 41.6 43.6 41.1 38.6 41.1 | Sheep | 2-227 2-227 2-227 2-227 2-227 227-454 227-454 227-454 454 454 454 454 454 | 4 | 5.6 5.6 5.6 5.6 5.6 5.6 5.6 6.6 6 |

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| Nature of | Test | | | production of the | Lung Weigh | te . | | | 8,718,48 | isa di Sajir s | Norbidity | ,47 |
|--|--|--|----------------|-------------------|------------------|--------------|-----------------|----------|---------------------|--|-------------------|--|
| HOS, ft. | Range, ft. | Config. | RL | est ill | and II | | LLP | TLP | Fat/Surv. | TOS, hrs. | TOD, min. | 00 |
| 4 | 4.7 | A-1 | 446.00 | 233.00 | 679.00 | 1.14 | 0.60 | 1.74 | 1.00 | 4.00 | | |
| 4 | 4.7 | A-3 | 328.50 | 229.50 | 558.00 | 0.62 | 0.44 | 1.06 | 1.00 | 4.00 | | |
| 4 | 4.7 | A-6 | 475.00 | 316.00 | 791.00 | 1,05 | 0.69 | 1.74 | 1.00 | 3.00 | | |
| 4 | 4.7 | A-7 | 237.00 | 158.00 | 395.00 | 0.59 | 0.39 | 0.98 | 1.00 | 4.00 | | |
| 6 | 1 4.7 | A-5 | 280.00 | 166.00 | 446.00 | 0.71 | 0.42 | 1.13 | 1.00 | 1.00 | | |
| 4 | 4.7 | A-5 | 203.00 | 162.00 | 365.00 | 0.56 | 0.45 | 1.01 | 1.00 | 4.00 | | |
| and reserved to | | | | 210.75 | 539.00 | 0.78 | 0.50 | 1.28 | | | | eric Maria |
| | | تستحد المستحد المستحد | 111,12 | 61.78 | 169.19 | | 0.12 | | | | | |
| \$ | | | | | ··· 69.07 | | | | | | | |
| | i i | | 4,00 | | | 0.,0 | 0.03 | 0 | 1 | | | |
| 4 | 5.6 | A-9 | 265.50 | 249.00 | 514.50 | 0.65 | 0.61 | 1,26 | 1.00 | 3.00 | | |
| | 5.6 | A-9 | | | | | 0.43 | 0.96 | 1.00 | 1.00 | | |
| - | 5.6 | | 204.00 | 163.50 | 367.50 | 0.57 | | | | | | |
| - | | A-9/2 | 228.50 | 178.50 | 407.00 | 0.55 | 0.43 | 0.99 | 1.00 | 4.00 | | |
| | 5.6 | V-9/5 | 220.00 | 169.50 | 389.50 | 0.54 | 0.42 | 0.96 | 1.00 | 5.00 | | <u> </u> |
| 4 | 5.6 | A-9/3 | 240.00 | 199.00 | 439.00 | 0.60 | 0.50 | 1.10 | 1.00 | 3.00 | | |
| 4 | 5.6 | A-9/3 | 214.00 | 162.00 | 376.00 | 0.55 | 0.41 | 0.96 | 1.00 | 2.50 | | |
| | • | | 228.67 | 186.92 | 415.58 | · 0.58 | 0.47 | | | * *** | | |
| | | | | <u>33.30</u> | <u> </u> | | | | | | | |
| | | | 8.91 | 13.59 | 22.34 | 0.02 | 0.03 | 0.05 | | | *** | 14.44 |
| | <u> </u> | | | <u>i</u> | <u></u> _ | | | | <u> </u> | | | |
| | 5.6 | 8-9/2 | 223.00 | 173.00 | 396.00 | 0.67 | 0.52 | 1.19 | 1.00 | 2.50 | | |
| 44 | 5.6 | 1.9 | 203.00 | 152.50 | 355.50 | 0.59 | 0.44 | 1.03 | 1.00 | 3.00 | | |
| 4 | 5.6 | 8-9 | 166.00 | 124.00 | 290.00 | 0.51 | 0.28 | 0.89 | 1.00 | 4.50 | | |
| **** | · · · · · · · · · · · · · · · · · · · | /// | 197.33 | 149.83 | 347.17 | 0.59 | 0.41 | 1.04 | * | | | ** |
| | - 7.7 may 1990 | | ~ 28.92 | 24.61 | 53.49 | *** 0.05 *** | 0.12 | . 0.15 × | | | The second second | 24 W |
| . | 100 (100 (100 (100 (100 (100 (100 (100 | | 16.70 | × 14.21 | ∞ 30.88 ∞ | 0.05 | Ø.07 | 0.09 | ~~ >6 ~ 3 | | | * 1 |
| | | | | | | | | | | | | |
| 4 | 5.6 | A-10 | 217.50 | 186.50 | 404.00 | 0.60 | 0.51 | 1.11 | 1.00 | 2.50 | | |
| 4 | 5.6 | A-10 | 285.00 | 155.00 | 440.00 | 0.80 | 0.43 | 1.23 | 1.00 | 1.00 | | |
| 4 | 5.6 | A-10/2 | 272.00 | 245.50 | 517.50 | 0.69 | 0.62 | 1.31 | 1.00 | 1.00 | | |
| 800 800 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | V 44 - 200 - | | | 195.67 | < 453.83 | | 0.52 | 1.22 | | | | X. 19414 |
| | *** | | 35.81 | | 58.00 | | 0.10 | | | | | |
| 3.53. | | 809 (\$1.66 T) | | | 33.49 | | 0.06 | | and the same | | | |
| ····· | | | | | 1 | | | | | | | |
| 4 | 5.6 | A-10 | 266.50 | 252.00 | 518.50 | 0.61 | 0.58 | 1.19 | 1.00 | 3.50 | | |
| 4 | 5.6 | A-10/2 | 272.00 | 171.00 | 443.00 | 0.75 | 0.47 | 1.22 | 1.00 | 3.00 | | |
| 4 | 5.6 | A-10/2 | 226.00 | 182.00 | 408.50 | 0.59 | 0.47 | 1.06 | 1.00 | 3.00 | | |
| | or aready street | - 1 (See 1988) | 254.83 | 201.67 | 456.67 | 0.65 | 0.51 | 1.16 | | | | |
| · | | | 25.12 | 43.94 | | | 0.06 | | | | 420% | |
| Tallian yelatik | | | | | <u>56.26</u> | 0.09 | | | | | | |
| ************************************** | | **************** | 14.50 | 25.37 | 32.48 | 0.05 | 0.04 | V. W. | I | ************************************** | | en en projektoren |
| | | A-8 | 374 | 149 99 | 700 | A 54 | - <u>-</u> | | 1 00 | 7 00 | | |
| - 4 | 6.6 | A-8 | 231.50 | 168.00 | 399.50 | 0.57 | 0.42 | 0.99 | 1.00 | 3.00 | | |
| 4 | 6.6 | A-8 | 248.00 | 182.50 | 430.50 | 0.60 | 0.44 | 1.03 | 1.00 | 1.00 | | |
| | 6.6 | A-8/3 | 218.50 | 148.00 | 366.50 | 0.50 | 0.34 | 0.84 | 1.00 | 1.00 | | |
| | 6.6 | A-8/4 | 215.00 | 138.50 | 353.50 | 0.52 | 0.34 | 0.86 | 1.00 | 1.00 | | |
| _ 4 | 6.6 | A-8/5 | 216.50 | 162.00 | 378.50 | 0.56 | 0.42 | 0.98 | 1.00 | 1.00 | 1 | |
| | 4 | 4 × 4 × 4 × 4 | × 225.90 ··· | **159.80 * | | 0.55 ··· | | | | | | |
| | | 100 | **13.98 | 17:18 | × 30.23 | | الخناد المستندس | 0.08 | | | **** | |
| 3000 AV | Commence of the Commence of th | ************************************** | × 6.25 | 7.68 | 13.52 | ··· 0.02 | ··· 0,02 | ··· 0.04 | | | | // // /// |
| | | | | | | | | | | | | |
| | 4.4 | A-8/2 | 255.00 | 180.00 | 435.00 | 0.67 | 0.47 | 1.14 | 1.00 | 4.00 | | |
| 4 | 6.6 | ~ 0/ 5 | 637.00 | 100.00 | | | | | | | | |

| Section 1 | lorbidity | 1000000 | | NESSON AND | Horbidity | Severity | of Injury | adversion Ad | justed | Exter | rnel Le |
|-------------------------|--|---------|-----------------|------------|-----------|--------------|-----------|--------------|-----------------|-----------------|------------------|
| ros, hrs. | 100 min. C00 | Phetano | Hemoper. | Hemothor. | Coron.Air | Cereb.Air | Ratios | Index | Index | Score 1 | Possibl |
| 4.00 | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 2.62 | 3.62 | 3.50 | 0.00 | 56. |
| 4.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 1.99 | 0.00 | 56. |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 2.731 | 2.73 | 0.00 | 56. |
| 4.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 1.43 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 2.09 | 0.00 | 56. |
| 4.00 | | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 2.64 | 4.64 | 4.34 | 0.00 | 56. |
| | and the second s | 0.00 | 0.50 | 0.00 | 0.00 | × 0.00 | 2.32 | 2.82 | 2.68 | 0.00 | - 56. |
| | | | 0.84 | · 0.00 | 0.00 | 0.00 | | 1.13 | | | · 0. |
| | | 0.00 | 0.34 | 0.00 | 0. | ··· 0.00 | 0.19 | 0.46 | ··· 0.4 | O. OO ·· | → · 0. |
| | | | | | | | | | | | |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 1.11 | 0.71 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.48 | 0.48 | 0.48 | 0.00 | 56. |
| 4.00 | | 0.00 | 0.00 | 0.00 | J.00 | 0.00 | 0.79 | 0.79 | 0.79 | 0.00 | 56. |
| 5.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.10 | 0.00 | 56. |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 1.47 | 0.00 | 56. |
| 7.50 | · | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.00 | 56. |
| | | 0.00 | ∞ 0.00 × | 0.00 | 0.00 | 0.00 | 0.97 | 0.97 | | | ∞>256. |
| | | | 0.00 | 9.00 | 0.00 | 0.00 | 0.48 | 0.40 | 0.36 | · · · · 0.08 | · · · · O. |
| | | 0.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.16 | 0.16 | 0.15 | 0.00 | ~~~O. |
| | | | | | | | | | | | |
| 2.50 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 0.87 | 0.87 | 0.00 | 56. |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.00 | 56. |
| 4.50 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 0.79 | 0.79 | 0.00 | 56. |
| | 10 m | | | | | | ···· 0.77 | 0.77 | ∞ 0.77 % | · · · 0.00 | |
| | | 0.00 | ₩0.00 ₩ | **** 0.00 | 0.00 ··· | ··· 0.00 ··· | 0.13 | •••• 0.11 | 0.11 | 0.00 | ············ 0. |
| | | 9,00 | ⊗ 0,00 ≪ | G.DO ··· | 8,00 | 0.00 | 0.07 | ···· 0.07 | **** 0.0Z | ******* 0.00 ** | |
| | | | | | | | | | | | |
| 2.50 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 1.21 | 0.96 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 1.88 | 1.88 | 1.80 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.76 | 1.76 | 1.76 | 0.00 | 56. |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | | 1.51 | 0.00 | >:::> 56. |
| | | | 0.00 | . 9.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.48 | 0.00 | .;∴ O. |
| Bassacio Att., 1984 to | | 0.00 | 0.00 | | ·· 0.00 | 9.00 | 0.21 | 0.21 | ∞ 0.28% | 0.00 | |
| | | | _ | | | | | | | | |
| 3.50 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 1.87 | 1.87 | 0.00 | 56. |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 1.57 | 0.00 | 56. |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 | 1.46 | 0.00 | 56. |
| Objective in the second | and the second second | | 0.00 | 0.00 | 0.00 | · 0.00 | 1.64 | 1.64 | 1.64 | 0.00 | 56. |
| | | | ** 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.21 | 0.21 | 0.00 | wer O. |
| | | 0.00 | 0.00 | 0.00 ··· | 0.00 | 9.00 | 0.12 | 0.12 | 0.12 | 0.00 | 0. |
| | | | | 1 | | | | | | | |
| 3.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.46 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 0.84 | 0.84 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.76 | 0.76 | 0.00 | 56. |
| 1.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 | 0.73 | 0.00 | 56. |
| griji oojet priedske | ing children and a second | 0.00 | 0.00 | 0.00 | | | 0.77 | 0.77 | 0.67 | 0.00 | ~~ 56. |
| | e a (S), have again | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.14 | 0.15 | 0.00 | 0. |
| Windley is also t | | | 0.00 | | 0.00 | | 0.06 | | 0.07 | 0.00 | 0. |
| | | | | T | | T | T | | | | |
| 4.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.63 | 0.00 | 56. |
| | | | | | | | | | | | |

| Justed Index 3.50 1.99 2.73 1.43 2.09 4.34 | 0.00(0.00) | ossible 56.00 | | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Rat |
|---|----------------|----------------|------------|----------|--------------|--|---------------------|--|-----------|--------|------------|------------|
| 3,501 1,991 2,731 1,431 2,091 | 0.001 | | | | 10001014 | ABLIU | 3544 | 3 000 . 0 . 0 | | | | |
| 1.99 2.73 1.43 2.09 | 0.00 | | 0.00 | 0.00 | 24.001 | 0.00 | 0.00 | 52.001 | 0.001 | 20.00 | 60.00 | |
| 2.73 1.43 2.09 | | 56.001 | 0.00 | 0.00 | 24,00! | 0.00 | 5.00 | 52.001 | 0.10 | 8.00 | 60.00 | |
| 1.43 | 0.001 | 56.001 | 0.00 | 0.00 | 24.001 | 0.00 | 8.00 | 52.001 | 0.15 | 20.00 | 60,001 | |
| 2.091 | 0.001 | 56.00 | 0.00 | 0.00 | 24.001 | 0.00 | 9.00 | 52.001 | 0,17 | 7.00 | 60.001 | |
| | 0.001 | 56.00 | 0.00 | 0.00 | 24.001 | 0.00 | 8.00 | 52.00 | 0.15 | 22.00 | 60.001 | |
| 9,39 | 0.00 | 56.001 | 0.00 | | 24.00 | 0.00 | 8,00 | 52.001 | 0.15 | 20.001 | 60,00 | |
| 2.68 | | | | 0.00 | | 0.00 | 6.53 | 52.00 | 0.12 | 16.17 | | ý. |
| | 0.00 | 56.00 | 0.00 | 0.00 | | | 3.39 | 0.00 | 0.07 | 6.77 | | |
| | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | 0.03 | 2.76 | | W.C., or |
| 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | | V.U. | 2.79 | | |
| | | | | | | | | 52.00 | 0.00 | 6.00 | 60.00 | |
| 0.71 | 0.00 | 56.001 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | 14.00 | 60.00 | |
| 0.48 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | | | | |
| 0.79 | 0.001 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 10.00 | 52.00 | 0.19 | 9.00 | 60.001 | |
| 1.10 | 0.00 | 56.00 | 0.00 | 0.00 | 24.001 | 0.00 | 8.00 | 52.00 | 0.15 | 6.00 | 60.00 | |
| 1.47 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 8.00 | 52.00 | 0.15 | 20.00 | 60.00 | |
| 0.661- | 0.00 | 56.00 | 0.00 | 0.00 | 24.001 | 0.00 | 8.00 | 52.001 | 0.15 | 6.00 | 60.00 | |
| 0.87 | 0.00 | ×56.00 × | 0.00 | 0.00 | | 0.00 | 5.67 | | 0.11 | | | _ |
| 0.36 | 0.00 | ···· 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.46 | 0.00 | 0.09 | 5.74 | | |
| 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 1.52 | 0.00 | 0.03 | 2.34 | 0.00 | \$\$50 m |
| | | | | | | | | | | | | |
| 0.87 | 0.00 | 56.001 | 0.00 | 0.00 | 24.001 | 0.00 | 0.00 | 52.00 | 0.00 | 16.00 | 60.00 | |
| 0.65 | 0.001 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 3.00 | 52.00 | 0.06 | 8.00 | 60.00 | |
| 0.79 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | |
| | | | 0.00 | | | 0.00 | 1.00 | 52.00 | 0.02 | 14.00 | 60.00 | |
| | | | 0.00 | | | | 1.73 | 0.00 | 0.03 | 5.29 | ····· 0.00 | |
| ··· 0.07 | | | ····· 0.00 | | | ······································ | 1.00 | 0.00 | | | 0.00 | |
| | 200 | | | | 0.00 | 0.00 | | | | Ī | T | |
| 0.96 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 6.00 | 52.00 | 0.12 | 24.00 | 60.00 | |
| 1.80 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | |
| 1.76 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 20.00 | 60.00 | |
| | | 56.00 | 0.00 | 0.00 | | | 2.00 | 52.00 | 0.04 | 20.67 | | ation book |
| 1.51 | 0.00 | | | 0.00 | | 0.00 | كالمستخاصات ومنطوات | 0.00 | 0.07 | 3.06 | 0.00 | |
| 0.48 | 0.00 | 0.00 | 0.00 | | | | 3.46 | | 0.04 | 1.76 | | |
| ··· 0.28 | 0.00 | 0.00 | 0.00 | <u> </u> | 0.00 | 0.00 | 2.00 | 0.00 | 300.00.00 | 15.76 | 0.00 | 1000 |
| | | | | | | | | 52.00 | | 32 00 | 60,00 | |
| 1.87 | 0.001 | 56.00 | 0.00 | 0.00 | 24.00 | 0.001 | 0.00 | 52.00 | 0.00 | 22.00 | | |
| 1.57 | 0.00 | 56.001 | 0.00 | 0.00 | 24.001 | 0.00 | 4.00 | 52.00 | 0.08 | 18.00 | 60.00 | |
| 1.46 | 0.001 | 56.001 | 0.00 | 0.00 | | 0.00 | 8.00 | 52.00 | 0.15 | 8.00 | 60.00 | |
| 1.64 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 4.00 | | 0.08 | 16.00 | | 31 61 - 1 |
| 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.08 | | 0.00 | KÜKU: |
| 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.04 | 4.16 | 0.00 | A CONT |
| | | | | | | | | | | | | |
| 0.46 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 8.00 | 52.00 | 0.15 | 7.00 | 60.00 | |
| 0.84 | 0.001 | 56.001 | 0.00 | 0.00 | | 0.00 | 8.00 | 52.00 | 0.15 | 6.00 | 60.00 | |
| 0.57 | 0.00 | 56.001 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | 5.00 | 60.00 | |
| 0.76 | 0.001 | 56.001 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | 3.00 | 60.00 | |
| 0.73 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | 7.00 | 60.00 | |
| | 0.00 | | 0.00 | 0.00 | | | 3.20 | | | 5.60 | | |
| 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.08 | 1.67 | | • |
| | | 7.00 | 0.00 | 0.00 | | | | | 0.04 | 0.75 | | |
| 0.07 | 0.00 | 11000000 V. UU | | | 0.00 | 0.00 | 1.96 | ······································ | 4.54 | | 7.00 | <u> </u> |
| - 741 | | E/ 00 | 0.00 | A AA | | | | 63 00 | 0.15 | 20.00 | 60.00 | |
| 1.63 | 0.00 | 56.001 | 0.00 | 0.00 | 24,00 | 0.00 | 8.00 | 52.00 | | | | Dodon |

| X/Leryna | | | Traches | 12 m 12 m | Control of | Lungs | 1.41 | | Heert | .+13.c | Hollow | Abdominet |
|----------|-------|--------|--|-----------|------------|----------|-------|---------|-------------|--------|--|-----------------|
| sible | Ratio | Score | Possible | Ratio | Scare | Possible | Ratio | Score | Possible | Ratio | Score | Possible |
| 60.001 | 0.33 | 18.00 | | 0.33 | 44.00 | | 0.69 | 14.001 | 48.001 | 0.29 | 28.00 | 48.00 |
| 60.00 | 0.13 | 20.00 | | 0.36 | 30.00 | | 0.47 | 16.00 | 48.00 | 0.33 | 24.001 | 48.00 |
| 60.001 | 0.33 | 18.00 | 55.00 | 0.33 | 52.00 | 64.00 | 0.81 | 27.001 | 48.001 | 0.56 | 26.001 | 48.00 |
| 60.001 | 0.12 | 9.00 | | 0.16 | 30.00 | | 0.47 | 0.00 | 48.001 | 0.001 | 20.00 | 48.00 |
| 60.00 | 0.37 | 28.00 | | 0.51 | 36.00 | | 0.56 | 0.00 | 48.00 | 0.00 | 24.001 | 48.00 |
| 60.001 | 0.33 | 16.00 | | 0.29 | 30.00 | | 0.471 | 0.00 | 48.001 | 0.001 | 36.00 | 48.00 |
| 60.00 | 0.27 | 18.17 | 55.00 | 0.33 | 37.00 | 64.00 | 0.58 | 9.50 | 48.00 | 0.20 | 24.33 | 48.00 |
| 0.00 | 0.11 | 6.15 | 0.00 | 0.11 | 9.19 | 0.00 | | * 11.31 | 0.00 | 0.24 | 5.43 | 0.00 |
| 0.00 | 0.05 | 2.51 | 0.00 | | 3.75 | 0.00 | | 4.62 | 0.00 | 0.10 | | 0.00 |
| | | | | | 3332 | | T | | | 1 | | |
| 60.00 | 0.10 | 5.00 | 55.00 | 0.09 | 21.00 | 64.00 | 0.33 | 0.00 | 48.00 | 0.00 | 9.00 | 48.00 |
| 60.001 | 0.23 | 6.00 | 55.00 | 0.11 | 5.00 | | 0.08 | 0.001 | 48.001 | 0.00 | 3.00 | 48.00 |
| 60.00 | 0.15 | 5.00 | 55.00 | 0.09 | 12.00 | 64.00 | 0.191 | 0.00 | 48.00 | 0.00 | 8.001 | 48.00 |
| 60.00 | 0.10 | 12.00 | 55.001 | 0.22 | 21.00 | 64.00 | 0.33 | 5.00 | 48.00 | 0.10 | 5.00 | 48.00 |
| 60.00 | 0.33 | 8.00 | 55.001 | 0.15 | 27.00 | 64.001 | 0.42 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 60.00 | 0.10 | 7.00 | 55.001 | 0.13 | 3.00 | 64.00 | 0.05 | 5.00 | 48.00 | 0.10 | 6.00 | 48.00 |
| 60.00 | | | 55.00 | | 14.83 | 64.00 | 0.23 | 1.67 | 48.00 | 0.03 | 8.50 | 48.00 |
| 0.00 | 0.10 | 2.64 | 0.00 | 0.05 | 9.68 | 0.00 | 0,15 | 2.58 | 0.00 | 0.05 | 6.02 | 0.00 |
| 0.00 | 0.04 | | 0.00 | | 3.95 | 0.00 | 0.06 | 1.05 | 0.00 | 0.02 | 2.46 | 0.00 |
| | 1 | 1 | | | | | i | ì | | | | ı ı |
| 60.00 | 0.27 | 7.00 | 55.001 | 0.13 | 24.00 | 64.00 | 0.38 | 0.00 | 48.00 | 0.00 | 5.001 | 48.00 |
| 60.00 | 0.13 | 8.00 | 55.001 | 0.15 | 12.00 | 64.001 | 0.19 | 0.00 | 48.00 | 0.00 | 6.00 | 48.00 |
| 60.00 | 0.30 | 9.00 | 55.001 | 0.16 | 14.00 | 64.001 | 0.22 | 0.001 | 48.00 | 0.00 | 5.00 | 48.00 |
| 60.00 | 0.23 | | 55.0G | 0.15 | 16.67 | 64.00 | 0.26 | 0.00 | 48.00 | 0.00 | ····· 5.33 | 48.00 |
| 0.00 | 0.09 | | 0.00 | | | × 0.00 | | 0.00 | 0.00 | 0.00% | **** 0.58 | 0.00 |
| 0.00 | | | ······································ | | 3.71 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00* | ***0.33 | ·········· 0.00 |
| | Ī | | | | | T | | | | | | |
| 60.00 | 0.40 | 6.00 | 55.00 | 0.11 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 7.00 | 48.00 |
| 60.00 | 0.30 | 18.00 | 55.001 | 0.33 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| 60.00 | 0.33 | 20.00 | 55.001 | 0.36 | 36.00 | 64.00 | 0.56 | 0.001 | 48.00 | 0.001 | 24.001 | 48.00 |
| 60.00 | 0.34 | 14.67 | 55.00 | 0.27 | 29.00 | 64.00 | 0.45 | 0.00 | 48.00 | 0.00 | ×***** 18.33 | 48.00 |
| 0.00 | 0.05 | 7.57 | 0.00 | 0.14 | 14.80 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 9.81 | 0.00 |
| 0.00 | 0.03 | 4.37 | 0.00 | 0.08 | 8.54 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | ···*5.67 | 0.00 |
| | | Ī | | | | | | | | | | |
| 60.00 | 0.37 | 16.00 | 55.00 | 0.29 | 36.00 | 64.00 | 0.56 | 0.00 | 48.00 | 0.00 | 28.00 | 48.00 |
| 60.00 | 0.30 | 20.00 | 55.001 | 0.36 | 24.00 | 64.00 | 0.38 | 0.00 | 48.001 | 0.00 | 22.00 | 48.00 |
| 60,001 | 0.131 | 20.00 | 55.001 | 0.36 | 16,00 | 64.00 | 0.25 | 7.00 | 48.001 | 0.15 | 20.00 | 48.00 |
| 60.00 | 0.27 | 18.67 | 55.00 | 0.34 | 25.33 | 64.00 | 0.40 | 2.33 | 48.CO | 0.05 | 23.33 | 48.00 |
| 0.00 | 0.12 | 2.31 | 0.00 | 0.04 | 10.07 | 0.00 | 0.16 | 4.04 | 0.CG | | 4.16 | 0.00 |
| 0.00 | 0.07 | 1.33 | 0.00 | 0.02 | 5.81 | 0.00 | 0.09 | 2.33 | 0.00 | 0.05 | 2.40 | 0.00 |
| | Ĭ | | | | İ | | | | | | | |
| 60.00 | 0.12 | 7.00 | 55.00 | 0.13 | 4.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.10 | 6.00 | 55.001 | 0.11 | 4.00 | | 0.06 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 60.00 | 0.08 | 6.00 | 55.001 | 0.11 | 3.00 | | 0.05 | 0.00 | 48.00 | 0.00 | 16.00 | 48.00 |
| 60.00 | 0.05 | 6.00 | 55.00 | 0.11 | 20.00 | | 0.31 | 0.00 | 48.00 | 0.00 | 14.001 | 48.00 |
| 60.00 | 0.12 | 6.00 | 55.00 | 0.11 | 16.00 | | 0.25 | 0.00 | 48.00 | 0.00 | 12.00 | 48.00 |
| 60.00 | 0.09 | | 55.00 | | 9.40 | | 0.15 | 0.00 | | | 12.40 | |
| 0.00 | 0.03 | 0.45 | | | 7.99 | 0.00 | | 0.00 | | 0.00 | | |
| 0.00 | | | 0.00 | | 3.57 | | | | 0.00 | 0.00 | 3.37 | 0.00 |
| | | | T | | | | T | | | | | |
| | 0.77 | 12.00 | 55.00 | 0.22 | 24,00 | 64.00 | 0.38 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| 60.001 | 0.33 | 12.001 | 33.00 | | 27.00 | Q-,Q- | V | | | | ************************************** | |

| | Abdominet (Possible 48.001 | Ratio | | dosinst | | | ght Ears | | | | |
|------|-----------------------------------|---|------------|--|-------|--------------|-----------|------------------|-------|-----------|---------------------------------------|
| .001 | | | Score ~ P | ossible :: | Ratio | Score P | ossible | Ratio | Score | Possible | Ratio |
| .001 | | 0.58 | 12.00 | 44.00 | 0.27 | 5.00 | 40.00 | 0.13 | 0.00 | 40.001 | 0.00 |
| .001 | 48.001 | 0.50 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 001 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.001 | 0.00 | 40.001 | 0.00 |
| | 48.00 | 0.42 | 4.00 | 44.00 | 0.09 | 4.00 | 40.00 | 0.10 | WAX | 40.001 | |
| .001 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 5.00 | 40.00 | 0.13 |
| .00 | 48.00 | 0.75 | 15.00 | 44.00 | 0.34 | 12.00 | 40.00 | 0.30 | 0.00 | 40.00 | 0.00 |
| .33 | 48.00 | 0.55 | 5.83 | 44.00 | 0.13 | 4.17 | 40.00 | 0.10 | 5.00 | | ·· · • 0.13 |
| .43 | 0.00 | 0.11 | 6.27 | 0.0Œ | 0.14 | 4.40 | ··· 0.00 | 0.11 | | 30 × 0.00 | 0.11 |
| .22 | 0.00 | | 2.56 | | 0.06 | 1.80 | ···· 0.00 | ~ 0.04 | 1.97 | 1 0.00 | · • 0.05 |
| | | | | | | | | | | | |
| .00 | 48.00 | 0.19 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 12.00 | 40.00 | 0.30 |
| .001 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| .001 | 48,00 | 0.17 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| .00 | 48.00 | 0.10 | 4.00 | 44.00 | 0.09 | 0.00 | 40.001 | 0.00 | 4.00 | 40.00 | 0.10 |
| .00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| .00 | 48.00 | 0.13 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| .50 | 48.00 | 0.18 | 0.67 | | 0.02 | | 40.00 | | 1.60 | 40.00 | ₩0.04 |
| .02 | 0.00 | 0.13 | 1.63 | | 0.04 | 2.07 | 0.00 | + 0.05 | ~2.07 | 0.00 | · · · · · · · · · · · · · · · · · · · |
| .46 | 0.00 | 0.05 | * 0.67 | | 20.02 | 0.84 | | 0.02 | 0.92 | 0.00 | ₹ 0.02 |
| | 0.00 | 0.07 | 0.01 | ······································ | | 5.5 | | | | | |
| .00 | /9.00 | 0.10 | 0.00 | // 00 | 0.00 | 0.00 | 40,001 | 0.00 | 0.00 | 40.00 | 0.00 |
| | 48.00 | 0.10 | | 44.00 | 0.00 | 0.00 | 40.001 | 0.00 | 0.00 | | 0.00 |
| .001 | 48.00 | 0.13 | 0.00 | 44.00 | | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| .00 | 48.00 | 0.10 | | 44.00 | 0.00 | | 40.00 | 0.00 | 0.00 | | 0.00 |
| .33 | 48.00 | | 0.00 | | | | | 0.00 | 0.00 | | 0.00 |
| 3.58 | | | ₩ 0.00° | | 0.00 | 0.00 0.00 | | « Q.00 | 0.00 | | |
| .33 | 0.00 | 0.01 | *** 0.00 * | #### U.UU | 0.00 | 0.00 | | 0.00 | | | |
| | - (2-22 | | | 77.00 | | 5 00 | /0.00 | 0.13 | 5.00 | 40.00 | 0.13 |
| .00 | 48.00 | 0.15 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.08 | 0.00 | | 0.00 |
| .00 | 48.00 | 0.50 | 3.00 | 44.00 | 0.07 | 3.00 | 40.00 | | 0.00 | | 0.00 |
| .00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.67 | | ₩0.0 |
| .33 | 48.00 | 0.38 | *1.00 | 44.00 | | 2.67 | 40.00 | 0.07 | 2.89 | | 1 0.0 |
| .81 | 0.00 | 0.20 | 1.73 | 0.00 | | 2.52 | 0.00 | 0.06 | 1.67 | | * 0.0 |
| .67 | 0.00 | 0.12 | 1.00 | 0.00 | 0.02 | 1.45 | 0.00 | 0.04 | 1.07 | 0.00 | |
| | | | | | | | | | 0.00 | 40,00 | 0.0 |
| .00 | 48.00 | 0.58 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | | | 0.0 |
| .00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.001 | 0.00 | | 0.0 |
| 1.00 | 48.00 | 0.42 | 0.001 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | | |
| 3.33 | 48.00 | 0.49 | 1,00 | 44.00 | | | 40.00 | 0.00 | 0.00 | | |
| .16 | 0.00 | 0.09 | 1.73 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.0 |
| .40 | 0.00 | 0.05 | 1.0G | 0.00 | 0.0Z | 0.08 | O.OG | 0.00 | 0.00 | 0.00 | 0.0 |
| | | I | | | | | | | | 10.00 | |
| 1.00 | 48.00 | 0.00 | 0.00 | 44.00 | | 10.00 | 40.00 | 0.25 | 0.00 | | 0.0 |
| .00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | | 0.0 |
| .001 | 48.00 | 0.33 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | | 0.0 |
| .00 | 48.00 | | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | | |
| .00 | 48.00 | 0.25 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 5.00 | | |
| .40 | 48.00 | | 0.00 | **** 44.00 | 0.00 | 2.80 | | 0.07 | 1.00 | | |
| .54 | 0.00 | | D.0G | 0.00 | 0.00 | 4.38 | 0.00 | · · · · · · 0.11 | | | |
| | | 0.07 | | ···· 0.00 | | | | 0.05 | 1.00 | 0.00 | ~~0. 0 |
| | | | | | I | T I | | | | | |
| .00 | 48.00 | 0.46 | 4.00 | 44.00 | 0.09 | 12.00 | 40.00 | 0.30 | 0.00 | | |
| 2000 | 200 400 300 300 | /////////////////////////////////////// | 1000 | | | | *** | | | | |

| | | PATHOLOGY | UORKSHEET | | | | | | | |
|------------------------------------|--|---|---|------------|--|----------------|---------------------------------|---------------|---|-------------|
| Project: | · · · · Compi | ex Wave | Fy 90 | | | | | Nature of | | |
| Study | Date | Shot | Animal | Orient. | Bw.,kg. | Species | Charge, g. | HOB, ft. | Range, ft. | Con |
| fy 90 | 11/30/90 | 1 | 96(FP) | FO | 39.3 | <u>Sheep</u> | 1 454 | 4 | 8.9 | |
| | 12/4/901 | 1 | 99(FP) | FO | 44.3 | <u></u> | 454 | 4 | 8.9 | ^ |
| | 12/6/90 | 1 | 102(FP) | FO | 41.8 | : | 454 | 4 | 8.9 | A- |
| | 12/10/90 | 1 | 105(FP) | FO | 39.8 | ! | 454 | 4 | 8.9 | A. |
| | 12/12/90 | 1 | 108(FP) | FO | 38.0 | 1 | 454 | 4 | 8.9 | A- |
| | 12/13/90 | 1 | 111(FP) | FO | 37.0 | I | 454 | 4 | 8.9 | A. |
| Mean | | distriction of the control | 3899 × 111 | 1.7 | 40.0 | | Street Contract | a vilano jain | 66 J. 66 A. 66 M | Pi Na |
| \$0 | | en en en en | e en la companya de la companya de la companya de la companya de la companya de la companya de la companya de | 9 8 T | 2.7 | | | | | |
| SE | - 1 4 J. J. J. J. J. J. J. J. J. J. J. J. J. | | | | 1.1 | 3 3 3 | | (A. 15) | and the second second | w Si |
| | | | | | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | |
| | 2/1/91 | 1 | 127(EAR) | FO | 34.5 | <u>!</u> | 454 | 4 | 8.9 | <u> </u> |
| | 2/5/91 | 1 | 130(EAR) | FO | 33.0 | <u> </u> | 454 | 4 | 8.9 | |
| | 2/6/91 | 1 _ | 133(EAR) | FO | 34.1 | <u> </u> | 454 | 4 | 8.9 | |
| MEAN | 3970 (3 0) | | out of the second | eryster sw | 33.9 | | , regin to plant | | | |
| SD | 11-12-year-1989 | Section Section | ersking and the | | | | en sa mangang at en sa | | | |
| SE | | | Sagaran e | | 0.4 | 1.000 | gasta, 980aw | | * | **** |
| | | | | | | ļ | | <u> </u> | | |
| Fy 90 | 10/31/90 | 1 | 78(FP) | RSO | 42.7 | Sheep | 454 | 4 | 9.8 | A |
| | | | 81(FP) | RSO | 42.0 | 1 | 454 | 4 | 9.8 | 1 A |
| | 11/1/90 | 1 | 01(11) | | | | | | | |
| | 11/1/90 | 1 | 87(FP) | RSO | 38.0 | | 454 | 4 | 9.8 | |
| | | | | RSO RSO | 40.2 | | 454 454 | 4 | 9.8 9.8 | A- |
| | 11/12/90 | 1 | 87(FP) | | | | 454 454 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN - todage | 11/12/90 11/14/90 11/16/90 | 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 40.2 34.1 39.4 | | 454 454 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN - todage | 11/12/90 11/14/90 11/16/90 | 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 40.2 34.1 39.4 | | 454 454 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO | 11/12/90 1 11/14/90 1 11/16/90 | 1 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 40.2 34.1 39.4 | | 454 454 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO | 11/12/90 1 11/14/90 1 11/16/90 | 1 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 40.2 34.1 39.4 3.5 | Sheep | 454 454 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE | 11/12/90 11/14/90 11/16/90 | 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 34.1 39.4 3.5 1.6 | | 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 | 11/12/90 1 11/14/90 1 11/16/90 | 1 | 87(FP) 90(FP) 93(FP) | RSO RSO | 34.1 39.4 3.5 1.6 | | 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 | 11/12/90 11/14/90 11/16/90 11/16/90 | 1 | 87(FP) 90(FP) 93(FP) 84(FP) | RSO RSO | 40.2 34.1 39.4 3.5 1.6 | Sheep | 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE | 11/12/90 11/14/90 11/16/90 11/16/90 11/7/90 11/7/90 7/6/90 9/12/90 | 1 1 1 CONTROL | 87(FP) 90(FP) 93(FP) 84(FP) | RSO RSO | 40.2 34.1 39.4 3.5 1.6 43.4 | Sheep | 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 | 11/12/90 11/14/90 11/16/90 11/16/90 11/7/90 11/7/90 7/6/90 9/12/90 | 1 1 1 CONTROL | 87(FP) 90(FP) 93(FP) 84(FP) | RSO RSO | 40.2 34.1 39.4 3.5 1.6 43.4 45.5 37.5 | Sheep | 454 | 4 | 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 Fy 90 | 11/12/90 11/14/90 11/16/90 11/16/90 11/7/90 7/6/90 9/12/90 9/12/90 12/19/90 | 1 CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL | 87(FP) 90(FP) 93(FP) 93(FP) 84(FP) 1 42 43 114 | RSO RSO | 40.2 34.1 39.4 3.5 1.6 43.4 45.5 37.5 38.0 39.5 36.1 | Sheep | 454 454 454 454 907 | 4 | 9.8 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 Fy 90 | 11/12/90 11/14/90 11/16/90 11/16/90 11/7/90 7/6/90 9/12/90 9/12/90 12/19/90 | 1 CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL | 87(FP) 90(FP) 93(FP) 93(FP) 84(FP) 1 42 43 114 | RSO RSO | 40.2 34.1 39.4 3.5 1.6 43.4 45.5 37.5 38.0 39.5 36.1 | Sheep Sheep | 454 454 454 454 454 | 4 | 9.8 9.8 9.8 9.8 | A- |
| MEAN SO SE Fy 90 Fy 90 | 11/12/90 11/14/90 11/16/90 11/16/90 11/7/90 11/7/90 9/12/90 9/12/90 12/19/90 | 1 CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL | 87(FP) 90(FP) 93(FP) 93(FP) 1 42 43 114 134 | RSO RSO | 40.2 34.1 39.4 3.5 1.6 43.4 45.5 37.5 38.0 39.5 36.1 | Sheep | 454 454 454 454 907 | 4 | 9.8 9.8 9.8 9.8 | A- |

| ture of | Test | | | 145 | Lung Weigh | te | | | | | Morbidity | 4 |
|------------------------------|--|--|---------|----------|------------|------|----------------|---------------|-----------------------|-------------------|--|------------------------------|
| 08, ft. | Range, ft. | Config. | RL | LL | er en TL | RLP | LLP | TLP | Fat/Surv. | TOS, hrs. | TOD, min. | COO |
| 4 | 8.9 | A-9 | 216.50 | 180.50 | 397.00 | 0.55 | 0.46 | 1.01 | 1.00 | 4.00 | | |
| 4 | 8.9 | A-9 | 265.50 | 191.00 | 456.50 | 0.60 | 0.43 | 1.03 | 1.00 | 3.50 | | |
| 4 | 8.9 | A-9/2 | 255.00 | 242.00 | 497.00 | 0.61 | 0.58 | 1.19 | 1.00 | 1.00 | | |
| 4 | 8.9 | A-9/2 | 204.00 | 169.50 | 373.50 | 0.51 | 0.43 | 0.94 | 1.00 | 1.00 | | |
| 4 | 8.9 | A-9/3 | 209.00 | 192.00 | 401.00 | 0.55 | 0.51 | 1.06 | 1.00 | 4.50 | | |
| 4 | 8.9 | A-9/3 | 221.50 | 168.50 | 390.00 | 0.60 | 0.40 | 1.05 | 1.00 | 4.00 | | |
| , effectively | ar hatel | Taring and | 228.58 | 190.58 | 419.17 | 0.57 | 0.47 | 1.05 | | A | 1000 000 000 000 000 000 000 000 000 00 | W15 |
| 15 May 18 1 | 88 . Fil. | ta dika di w | 25.47 | 27.13 | 47.35 | 0.04 | 0.07 | 0.08 | eskoud, k. b | 34 × 1 × 4. | 4.4. W. S. | |
| 4.7 (22.07) | a signikan par | i Wati k | 10.40 | 11,08 | 19.33 | 0.02 | 0.03 | | | No. of the second | | |
| | | | | | | | | 1 | | | | |
| 4 | 8.9 | 8-9/2 | 291.00 | 266.50 | 557.50 | 0.84 | 0.77 | 1.62 | 1.00 | 4.00 | | |
| 4 | 8.9 | 8-9 | 224.00 | 271.00 | 495.00 | 0.68 | 0.82 | 1.50 | 1.00 | 4.00 | | |
| 4 | 8.9 | 8-9 | 200.00 | 180.00 | 380.00 | 0.59 | 0.53 | 1.11 | 1.00 | 1.00 | 1 | |
| 1980 b 2000 | | | 238.33 | 239.17 | 477.50 | 0.70 | J.71 | 1.41 | | 養養物 医牙足术 | ¥ (\$44.50) | চুকু করার ইমকর |
| -अध्यक्ष- _{सम्} रोत | a in the second second | 1980 4 0 000 00 | × 47.16 | 51.29 | 90.03 | 0.13 | 0.16 | 0.27 | comprehensive | | | |
| 14880 QNA | | | 27.23 | 29.61 | 51.98 | 0.07 | 0.09 | - 14. O. 15 🔆 | | XIII X | - C. C. C. C. C. C. C. C. C. C. C. C. C. | *** |
| | | | | | | | 1 | 1 | | | | |
| 4 | 9.8 | A-8 | 247.50 | 194.50 | 442.00 | 0.58 | 0.46 | 1.04 | 1.00 | 4.50 | | |
| 4 | 9.8 | A-8 | 232.50 | 176.50 | 409.00 | 0.55 | 0.42 | 0.97 | 1.00 | 3.50 | | |
| 4 | 9.8 | A-8/3 | 235.50 | 243.00 | 448.50 | 0.54 | 0.64 | 1.18 | 1.00 | 4.50 | | |
| 4 | 9.8 | A-8/4 | 224.50 | 168.50 | 393.00 | 0.56 | 0.42 | 0.98 | 1.00 | 4.00 | | |
| 4 | 9.8 | A-8/5 | 246.00 | 184.00 | 430.00 | 0.72 | 0.54 | 1.26 | 1.00 | 4.00 | 1 | |
| San Say | | | 231.20 | 193.30 | 424.50 | 0.59 | 0.50 | 1.09 | (NASSALTER) Meeting | | * (386) | 026.00 360.00 4 - |
| RINGGE CO | | 1984 Porto | 17.26 | 29.39 | 23.16 | 0.07 | 0.09 | | | | | |
| | er i de legesger . | | ~ 7.72 | 13.14 | 10.36 | 0.03 | 0.04 | 0.06 | again jama 1 | NEW YORK | | giyaf Hekki |
| 4 | 9.8 | 4.0/2 | | | 707 00 | | _ | | | | | |
| - | 7.0 | A-8/2 | 444.00 | 339.00 | 783.00 | 1.02 | 0.78 | 1.80 | 2.00 | | 3.00 | |
| | ——— | | 216.00 | 162.00 | 378.00 | 0.47 | 0.36 | 0.83 | 1.00 | 1.00 | | |
| | | | 200.00 | 140.00 | 340.00 | 0.53 | 0.37 | 0.91 | 1.00 | 1.00 | | |
| | | | DISEASE | ,,,,,,,, | | V.25 | 1 | DISEASE | 1.00 | 2.00 | | |
| | | | 208.00 | 160.00 | 368.00 | 0.53 | 0.41 | 0.93 | 1.00 | 1.00 | | |
| | + | | 210.00 | 157.00 | 367.00 | 0.58 | 0.43 | 1.02 | 1.00 | 1.00 | | |
| 300 3000 | | · ************************************ | | 154.75 | 363.25 | 0.53 | 4.39 | | | | | |
| 3500 MOV | ************************************** | | 6.61 | 10.05 | 16.28 | 0.05 | 0.03 | | | | | |
| | winds William 18. | | 2.96 | | _ | 0.03 | 0.03 | | | | | |
| | | | 6.70 N | | **** | V.UZ | V.UI | 0.03 | enegasine , in spirit | anaget Design | | |

| 4 1946/2015 | <u> 1821 - Jan 188</u> 188 | <u></u> | | 1.025-1.01 | 1. 45/94/4/11/8 | <u> 1 dan 1 dan 1 da 1 da</u> | | 119-47 | Militar de la Servicia de Carte | 14. July 2011 11 15 | | in alding the section in | 35/09800000000000000000000000000000000000 |
|---|---------------------------------------|-------------------------------|------------------|------------|------------------|-------------------------------|-----------------------|--------|---------------------------------|---------------------|-------|--------------------------|---|
| bidity | | elis sellen i Sellen selle | e eko orazone da | utrafajir | Morbidity | Severity | Of In | Ury | | ldjusted | | ernal Lesic | |
| D,min. | | Prieumo. | Hemoper. | Hemothor. | Coron.Air | Cereb.Air | Rai | tios | Index | Index | Score | Possible | Ratio |
| | | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | | 2.22 | 5.22 | 5.22 | 0.00 | | 0.00 |
| | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | 1.83 | 2.83 | 2.83 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.64 | 1.64 | 1.64 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 1 | 1.72 | 4.72 | 4.72 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.86 | 1.86 | 1.56 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | | 2.16 | 5.16 | 5.06 | 0.00 | | 0.00 |
| | ess, ich un septem | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | | 1.91 | 3.57 | 3.51 | 0.00 | * 56.00 | 0.00 |
| | | 9.00 | 1.51 | | 0.00 | D.00 | | 0.24 | 1.66 | 1.71 | 0.00 | 0.00 | |
| | Kiring Landing | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 1.000 | 0.10 | 0.68 | 0.70 | 0.00 | ·········· 0.00 | D.00 |
| | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | 1.73 | 2.73 | 2.61 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | | 0.00 | 0.00 | | | 1.59 | 2.59 | 2.59 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | 1.76 | 2.76 | 2.76 | 0.00 | 56.00 | 0.00 |
| .00000000000000000000000000000000000000 | 5 (3 (3)) - V (4)(3)(4)(4) | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | 1.69 | 2.69 | 2.65 | | × 56.00 | |
| 500000000000000000000000000000000000000 | | 8.00 | 3.00 | | 0.00 | 0.00 | | 0.09 | 0.09 | 0.09 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200 | | 0.05 | 0.05 | | *** 0.00 | |
| | | 0.00 | 0.00 | 9.00 | D.00 | 0.00 | 100000000 | 0.05 | 8.03 | | | | 0.00 |
| | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1 : | 2.36 | 3.36 | 3.26 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | 1.85 | 2.85 | 2.85 | 0.00 | 56.00 | 0.00 |
| | · · · · · · · · · · · · · · · · · · · | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <u> </u> | 1.59 | 1.59 | 1.49 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.30 | 1.30 | 1.30 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.52 | 1.52 | 1.42 | 0.00 | 56.00 | 0.00 |
| 38.800 | 6 to | | 0.40 | | 0.00 | 0.00 | | 1.73 | 2.13 | 2.07 | 0.00 | **56.00 | 0.00 |
| | | | 0.55 | | 0.00 | 0.00 | | 0.41 | 0.92 | 0.92 | 0.00 | 0.00 | 0.00 |
| 309-37507 | The different | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | . Latina de la Co | 0.18 | 0.41 | 0.41 | 0.00 | × 0.00 | 0.00 |
| 3.00 | | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | | 2.27 | 8.54 | 8.54 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 56.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.11 | 0.11 | 0.11 | 0.00 | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | I | 6.00 | | | | 0.00 | | 0.02 | 0.02 | 0.02 | | \$6,00 | |
| | | 0.00 | 0.D0 | 0.00 | 0.00 | 0.00 | | 0.05 | 0.05 | 0.05 | | 0.00 | |
| 3333333333 | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.02 | 0.02 | 0.02 | | 0.00 | |
| 4000000000 | | | _0.00 ⊗ | 0.00 ··· | ··· 0.00 ·· | 0.60 | - New York (New York) | U.VE . | | - 34.0 C | | | |

| Adjusted | Eve | rnal Lesion | | en Sand Madagas III | Fractures | | 66 A 46 | Burns | | an in Ph | arynu/Laryn | <u> </u> |
|----------|------|-------------|-------|---------------------|-----------|-------|---------|----------|-------|----------|------------------|--|
| Index | Core | Possible | Ratio | Score | Possible | Retio | Score | Possible | Ratio | Score | Possible | Ratio |
| 5.221 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 8.00 | 52.00 | 0.15 | 20.00 | 60.00 | 0. |
| 2.83 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 | 0. |
| 1.64 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 14.00 | 60.00 | 0. |
| 4.72 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0. |
| 1.56 | 0.00 | 56,00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 20.00 | 60.00 | 0. |
| 5.06 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | 0. |
| 3.51 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 1.33 | 52.00 | 0.03 | 14.50 | | militar et 🛈 . |
| 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 3.27 | 0.00 | 0.06 | | 0.00 | 0. |
| 0.70 | 0.00 | | 0.00 | 0.00 | | 0.00 | 1.33 | : | 0.03 | 2.39 | 0.00 | w. a 0. |
| 1 | | | | | | | | | | | | |
| 2.61 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | 0. |
| 2.59 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 12.00 | 60.00 | 0. |
| 2.76 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 22.00 | 60.00 | 0. |
| 2.65 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | | ····· 60.00 | |
| 0.09 | 0.00 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | 0.00 | |
| - 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Z.91 | ****** 0.00 | · 0. |
| | | | | | | | | | | | 60.00 | 0. |
| 3.26 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 16.00 | | 0. |
| 2.85 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 | 0. |
| 1.49 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 16.00 | 60.00 | 0. |
| 1.30 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | 0. |
| 1.42 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.001 | 18.00 | | |
| 2.07 | 0.00 | ** 56.DO | 0.00 | ···· 0.00 | | 0.00 | 0.00 | | 0.00 | | 60.00 | 0. 0. |
| 0.92 | 0.00 | 0.00 | 0,00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 5.02 | 0.00 | |
| 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | ************ | - configuration of the Configu |
| 8.54 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.09 | 16.00 | 60.00 | 0. |
| 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 | 0. |
| 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 | 0. |
| 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 | |
| 0.11 | 0.00 | 56.00 | 0.00 | 0.00 | 4 | 0.00 | 0.00 | | 0.00 | 0.00 | 60.00 | 0. |
| 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | 0.00 | | 0. |
| 0.02 | 0.00 | 56.00 | 0.00 | 0.00 | | 0.00 | 0.00 | | 0.00 | 0.00 | *** 60.00 | |
| 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 11 (12 P) |
| 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 100 Sec. 0. |

| | | | | and the second | | | | Magazini Gasa | | | 4-11 | 4h da-14 =- |
|--------|-------|-------|-----------|----------------|-------------|-------------|-------|------------------|---------------------------------------|-------|---------|---------------------------------------|
| /Laryn | X. | | Traches | 2011 M | nancia i 19 | Lungs | | POWER CONTRACTOR | Heart | | | Abdominal Or |
| ible | Ratio | Score | Possible_ | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible |
| 50.00 | 0.33 | 7.00 | 55.00 | 0.13 | 36.00 | 64.00 | 0.56 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| 60.00 | 0.13 | 10.00 | 55.00 | 0.18 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 11.00 | 48.00 |
| 60.00 | 0.23 | 20.00 | 55.00 | 0.36 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| 50.00 | 0.12 | 7.00 | 55.00 | 0.13 | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 60.00 | 0.33 | 9.00 | 55.00 | | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| 60.00 | 0.30 | 8.00 | 55.00 | 0.15 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 50.00 | 0.24 | 10.17 | 55.00 | 0.18 | 32.00 | 64.00 | 0.50 | 0.00 | 48.00 | 0.00 | | 48.00 |
| 0.00 | 0.10 | 4.96 | 0.00 | | 2.45 | 0.00 | 0.04 | 0.00 | 0.00 | | × 4.58 | 0.00 |
| 0.00 | 0.04 | 2.02 | 0.00 | | 1.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 |
| 1 | 1 | | | | | | | | | | | |
| 50.00 | 0.30 | 18.00 | 55.00 | 0.33 | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 18.00 | 48.00 |
| 60.00 | 0.20 | 14.00 | 55.00 | 0.25 | 36.00 | 64.00 | 0.56 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| 60.00 | 0.37 | 18.00 | .00 | | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| 50.00 | 0.29 | 16.67 | | | | 64.00 | 0.53 | 0.00 | 48.00 | 0.00 | 20.67 | |
| 0.00 | 0.08 | 2.31 | 0.00 | | 1.73 | 0.00 | 0.03 | O.OO | 0.00 | 0.00 | 15.5 | 0.00 |
| 0.00 | | 1.33 | 0.00 | | | 0.00 | 50.02 | 0.00 | 0.00 | 0.00 | 1,33 | 0.00 |
| | | | | | | | | | | | | |
| 50.00 | 0.27 | 20.00 | 55.00 | 0.36 | 39.00 | 64.00 | 0.61 | 5.00 | 48.00 | 0.10 | 18.00 | 48.00 |
| 50.00 | 0.10 | 8.00 | 55.00 | | 36.00 | | 0.56 | 4.00 | 48.00 | 0.08 | 20.00 | 48.00 |
| 50.00 | 0.27 | 20.00 | 55.00 | | 42.00 | | 0.66 | 0.00 | 48.00 | 0.00 | 10.00 | 48.00 |
| 50.00 | 0.30 | 8.00 | 55.00 | | 20.00 | 64.00 | 0.31 | 0.00 | 48.00 | 0.00 | 26.00 | 48.00 |
| 50.00 | 0.30 | 22.00 | 55.00 | | 22.00 | 64.00 | 0.34 | 0.00 | 48.00 | 0.00 | 18.00 | 48.00 |
| 50.00 | 0.25 | 15.60 | 55.00 | | | 64.00 | 0.50 | 1.80 | 48.00 | 0.04 | 18.40 | 48.00 |
| 0.00 | 0.08 | 6.99 | 0.00 | | 10.11 | 0.00 | 0.16 | 2.49 | 0.00 | 0.05 | 5.73 | 0.00 |
| 0.00 | 0.04 | 3.12 | 0.00 | | | | | | · · · 0.00 | 0.02 | ~~~2.56 | · · · · · · · · · · · · · · · · · · · |
| | | | | | | 1 | | | | | | |
| 60.00 | 0.27 | 18.00 | 55.00 | 0.33 | 60.00 | 64.00 | 0.94 | 4.00 | 48.00 | 0.08 | 26.00 | 48.00 |
| 30.00 | | | | | | | | | | | | |
| 50.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 50.00 | 0.00 | 0.00 | 55.00 | | 0.00 | | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 50.00 | 0.00 | 0.00 | 55.00 | | 0.00 | | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 50.00 | 0.00 | 6.00 | 55.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | 0.00 | 48.00 |
| 50.00 | 0.00 | 0.00 | 55.00 | | 0.00 | | 0.00 | 0.00 | · · · · · · · · · · · · · · · · · · · | 0.00 | 0.00 | |
| 30.00 | 0.00 | 1.20 | 55.00 | | 0.00 | | 0.00 | 0.00 | | 0.00 | Q.00 | 48.00 |
| | 0.00 | 2.68 | 0.00 | | 0.00 | | | 0.00 | | 0.00 | 0.00 | |
| 0.00 | | | | | | | | | | | | 0.00 |
| 0.00 | 0.00 | 1.20 | | U.UZ | 0.00 | 0.00 | | | | | | 1 |

| 114 | Abdoolest | | | | 1966 | | | | * * ** | | 3,73,000 |
|-------|---------------|---------------|-------|-----------|-------|-------|------------|--|--------|-----------|------------|
| 1100 | Abdominat | | | Abdominat | rgene | | Right Ears | | | Left Ears | 9,50 |
| .00 | | Ratio 0.50 | Score | Possible | Ratio | | Possible | Ratio | Score | Possible | Ratio |
| 1.00 | | | 24.00 | | 0.55 | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| 2.00 | | 0.23 | 36.00 | | | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| 3.00 | | 0.46 | 5.00 | | 0.11 | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| | | 0.42 | 24.00 | | | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| 2.00 | | 0.46 | 4.00 | 44.00 | | 12.00 | | 0.30 | 0.00 | 40.00 | 0.00 |
| 2.00 | | 0.42 | 32.00 | 44.00 | 0.73 | 4.00 | 7.7.7.1 | 0.10 | 0.00 | 40.001 | 0.00 |
| 2.83 | 48.00 | 0.41 | 20.53 | 44.00 | | 2.67 | | 0.07 | 3.20 | 40.00 | 0.0 |
| \$.58 | 0.00 | 0.10 | 13.48 | 0.00 | | 4.84 | | 0.12 | 4.84 | 0.00 | 0.12 |
| 1.87 | 0.00 | ··· 0.04 | 5.50 | 0.00 | 0.13 | 1.98 | 0.00 | 0.05 | 2.17 | 0.00 | 0.05 |
| 3.00 | 48.00 | 0.38 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 2.00 | 48.00 | 0.46 | 5.00 | 44.00 | 0.11 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 2.00 | 48.00 | 0.46 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 3.67 | 48.00 | 0.43 | 4.33 | 44.00 | | 0.00 | | 0.00 | 1.67 | | 0.04 |
| 2.31 | 0.00 | 0.05 | 0.58 | 0.00 | | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.07 |
| 1.33 | 0.00 | 0.03 | 0.33 | 0.00 | | 0.00 | 0.00 | 0.00 | 1.67 | | 0.04 |
| | | | | | | | | | 1 | 3,00 | |
| 3.00 | 48.00 | 0.38 | 24.00 | 44.00 | 0.55 | 0.00 | 40.00 | 0.00 | 4.00 | 40.00 | 0.10 |
| 1.00 | 48.00 | 0.42 | 24.00 | 44.00 | 0.55 | HAX | 40.00 | | INF | 40.00 | |
| 0.00 | 48.00 | 0.21 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 5.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 8.00 | 48.00 | 0.38 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 3.40 | 48.00 | 0.38 | 9.60 | 44.00 | 0.22 | 2.00 | 40.00 | 0.05 | 1.00 | 40.00 | O.U3 |
| 5.73 | 0.00 | 0.12 | 13.15 | 0.00 | 0.30 | 2.31 | 0.00 | 0.06 | 2.00 | 0.00 | 0.05 |
| 2.56 | * 0.00 | 0.05 | 5.88 | ··· 0.00 | 0.13 | 1.15 | 0.00 | ··· • 0.03 | 1.00 | 0.00 | 0.03 |
| 5.00 | 48.00 | 0.54 | 5.00 | 44.00 | 0.11 | INF | 40.00 | | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 00.0 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 00.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.0 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| T | | 1,, | | | | | | ************************************** | 0.00 | 0.00 | · /×: 0.00 |

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TABLE C-2

l

| Project: | 7791 | COMPLEX V | AVES | | er Maria (Miller) - 144 | Market Control | |
|--|---|-----------------|---|--|---|--|---|
| | Date | | | | | Species | Char |
| FY91 | 11/5/91 | 1 | 256 | RSO | 36.4 | Sheep | 5 |
| | 11/6/91 | | 259 | | 44.3 | | 5 |
| <u> </u> | 11/13/91 | | 265 | | 41.6 | | 5 |
| | 11/20/91 | · | 271 | | 44.8 | | 5 |
| | 11/27/91 | | 277 | | 36.4 | | 5 |
| MEAN | 300 C 100 C | | | 1111 Marie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 40.7 | | |
| | V. A. (10 No. 10) | | | | | | |
| | | | | | | **** | |
| | T | | | 1 | | | |
| FY91 | 11/5/91 | 1 | 257 | RSO | 41.4 | Sheep | 5 |
| | 11/6/91 | | 260 | | 40.0 | 1 | 5 |
| | 11/13/91 | | 267 | | 41.4 | | 3 |
| —— | 11/20/91 | | 273 | | 44.3 | | 5 |
| | 11/27/91 | | 279 | | 38.9 | | 5 |
| MEAN SECTION | | | | 1 | | 1 | |
| CA. | | | | | 71.5 | | |
| S9 · · · · · | | | | | A.Q | | |
| 35 00000 | | | 1 | | 0.7 | | 5-03-67-00 |
| - | 445 404 | | 250 | 200 | /1.0 | | |
| FY91 | 11/5/91 | 1 | 258 | RSO | 41.8 | Sheep | 5 |
| | 11/6/91 | | 261 | [| 38.9 | | 5 |
| <u> </u> | 11/13/91 | | 266 | | 45.2 | | 5 |
| | 11/20/91 | | 272 | | 40.9 | ļ | 5 |
| | 11/27/91 | | 278 | t i | 36.8 | 1 | 5 |
| | T T | Maderie rationy | | | 40.7 × | | |
| SD | 10/30/91 | Maderie rationy | 250 | | 40.7 × 3.2 × 1.6 × | | 1 |
| SE SE | 10/30/91 | | 250 253 | | 40.7 % 3.2 % 1.6 % 44.9 41.6 | | 1' |
| SE SE | 10/30/91 11/1/91 11/12/91 | | 250 253 262 | | 3.2 ** 1.6 ** 40.9 41.6 61.6 | | 1 1 |
| SE SE | 10/30/91 11/1/91 11/12/91 11/19/91 | | 250 253 262 268 | | 40.7 × 3.2 × 1.6 × 44.9 41.6 41.4 42.7 | | 1 1 |
| SD SE FY91 | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40.7 × 3.2 × 1.4 × 41.6 41.6 41.6 41.4 42.7 44.3 | Sheep | 1 1 1 |
| SD SE FY91 | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40.7 × 3.2 × 1.4 × 41.6 41.6 41.6 41.4 42.7 44.3 | Sheep | 1 1 1 1 |
| SD SE FY91 MEAN SD SD SD SD SD SD SD SD SD SD SD SD SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40,7 3,2 1.4 4.9 41.6 41.4 42.7 43.0 | Sheep | 1 1 1 1 1 |
| SD SE FY91 MEAN SD SD SD SD SD SD SD SD SD SD SD SD SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40,7 3,2 1.4 4.9 41.6 41.4 42.7 43.0 | Sheep | 1 1 1 1 1 |
| SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40.7 × 3.2 1.4 × 44.9 41.6 41.4 42.7 44.3 43.0 × 1.6 × 0.7 | Sheep | 1 1 1 1 1 |
| SD SE FY91 MEAN SD SD SD SD SD SD SD SD SD SD SD SD SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 | RSO | 40.7 × 3.2 1.4 × 44.9 41.6 41.4 42.7 44.3 43.0 × 1.6 × 42.0 | Sheep | 11 11 11 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 10/30/91 11/1/91 | 1 | 250 253 262 268 274 274 | RSO | 40.7 × 3.2 × 1.4 × 44.9 × 41.6 × 41.4 × 42.7 × 44.3 × 43.0 × 1.6 × 42.0 × 42.0 × 41.8 | Sheep | 1 |
| SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 | 1 | 250 253 262 268 274 274 251 251 254 264 | RSO | 40.7 × 3.2 1.4 × 44.9 41.6 41.4 42.7 44.3 43.0 × 1.6 × 42.0 41.8 47.7 | Sheep | 1 |
| SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/19/91 | 1 | 250 253 262 268 274 274 251 254 264 270 | RSO | 40.7 × 3.2 × 1.4 × 44.9 × 41.6 × 41.4 × 42.7 × 44.3 × 43.0 × 1.6 × 42.7 × 42.7 × 42.7 × 42.7 | Sheep | 1 1 1 1 1 1 1 1 1 1 |
| SD SE FY91 MEAN SD SE FY91 | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 251 251 254 264 270 276 | RSO | 40.7 % 3.2 1.4 % 41.6 41.6 41.4 42.7 44.3 % 43.0 % 42.0 41.8 47.7 42.7 37.7 | Sheep | 1 1 1 1 1 1 1 1 1 |
| SD SE FY91 MEAN SD SE FY91 | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 251 251 254 264 270 276 | RSO | 40.7 % 3.2 1.4 % 41.6 41.6 41.4 42.7 44.3 % 43.0 % 42.0 41.8 47.7 42.7 37.7 | Sheep | 1 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/19/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 8 3.6 | Sheep Sheep Sheep | 1 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 8 3.6 | Sheep Sheep Sheep | 1 1 1 1 1 1 1 1 1 1 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE SE | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 10/30/91 11/1/91 11/12/91 11/19/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 8 3.6 | Sheep Sheep Sheep | 1 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 11/26/91 10/30/91 11/1/91 11/12/91 11/19/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 8 3.6 | Sheep Sheep Sheep | 1 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE SE | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 10/30/91 11/1/91 11/12/91 11/19/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 ** 0.7 42.0 41.8 47.7 42.7 37.7 42.6 ** 3.6 ** | Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE SE | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 10/30/91 11/12/91 11/12/91 11/12/91 11/26/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 ** 0.7 42.0 41.8 47.7 42.7 37.7 42.5 3.6 1.6 | Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE SE | 10/30/91 11/1/91 11/12/91 11/19/91 11/26/91 10/30/91 11/12/91 11/12/91 11/26/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 252 252 255 263 | RSO | 40.7 3.2 1.4 44.9 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 3.6 3.6 3.6 3.6 4.8 | Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE SE | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 10/30/91 11/12/91 11/12/91 11/26/91 10/30/91 11/12/91 11/12/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 274 251 254 264 270 276 252 255 263 269 | RSO | 40.7 3.2 1.4 41.6 41.6 41.6 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3 | Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE FY91 MEAN SD SE FY91 | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 251 254 264 270 276 252 255 263 269 275 | RSO | 40.7 3.2 1.4 41.6 41.6 41.6 42.7 44.3 43.0 1.6 8 0.7 42.0 41.8 47.7 42.7 37.7 42.6 3.6 3.6 44.5 39.3 41.8 45.5 40.7 | Sheep Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE SE SE SE SE SE SE SE SE SE SE SE SE | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/12/91 11/12/91 11/26/91 11/12/91 11/12/91 11/12/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 251 254 264 270 276 252 255 263 269 275 | RSO | 40.7 3.2 1.4 41.6 41.6 41.4 42.7 44.3 43.0 1.6 8.0 7.7 42.0 41.8 47.7 42.7 37.7 42.4 3.6 44.5 39.3 41.8 45.5 40.7 | Sheep Sheep Sheep Sheep | 11 11 11 11 11 11 11 11 11 11 11 11 11 |
| SD SE FY91 MEAN SD SE SE SE SE SE SE SE SE SE SE SE SE SE | 10/30/91 11/1/91 11/12/91 11/12/91 11/26/91 11/26/91 10/30/91 11/12/91 11/12/91 11/26/91 10/30/91 11/1/91 11/12/91 11/12/91 11/12/91 11/12/91 | 1 | 250 253 262 268 274 251 254 264 270 276 252 255 263 269 275 | RSO RSO | 40.7 3.2 1.4 41.6 41.6 41.4 42.7 44.3 43.0 1.6 ** 0.7 42.0 41.8 47.7 42.7 37.7 42.4 3.6 ** 44.5 39.3 41.8 45.5 40.7 42.4 21.6 | Sheep Sheep Sheep Sheep | 111 11 1 |

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| Species Sheep | | | 18 | 400 (CONT.) | | : \$1.4a40.w. | | | | | | 3894° |
|--|--|---|---|---|---|--|---|--|--|--|--|--|
| | Charge, g. | HOS, ft. | Range ft | Config. | Rt. | | | RLP | LLP | | Fet/Surv. | TOS h |
| and-b | 57 | 4 | 4 | C-1 | 241.50 | 161.50 | 403.00 | 0.66 | 0.44 | 1.11 | 1 | 2.50 |
| - | 57 | 4 | 4 | C-1 | 267.00 | 192.50 | 459.50 | 0.60 | 0.43 | 1.03 | | 1.50 |
| | 57 | 4 | 4 | C-1/2 | 228.50 | 180.00 | 408.50 | 0.55 | 0.43 | 0.98 | 1 | 3.75 |
| | 57 | 4 | 4 | C-1/3 | 227.50 | 162.00 | 389.50 | 0.51 | 0.36 | 0.87 | | 1.50 |
| | 57 | 4 | 6 | C-1/4 | 215.00 | 161.50 | 376.50 | 0.59 | 0.44 | 1.03 | | |
| | Bartin Mary | | | | 235.90 | 171.50 | 407.40 | 0.58 | 0.42 | | | 3.25 |
| | Nadarak | and Salaman St. | | ~ | | 14.17 | | 0.06 | 0.03 | | | |
| 30.00 M | 4.1728332.4.3 | | | Walley Comment | **** | | 31.66 | 0.03 | | 0.09 | | 1.02 |
| proposition in the | T | o mogazione del medicina | T | | 8.83 | ∞ 6.34 | 14.16 | 0.03 | 0.02 | 9.04 | | 0.45 |
| Sheep | 57 | 4 | 7 | | 37/ 50 | 400 50 | 115 00 | 0.57 | 1-0/ | 1 20 | | |
| onerb | 57 | 4 | 7 | <u>C-1</u> | 234.50 | 180.50 | 415.00 | 0.57 | 0.44 | 1.00 | 1 | 3.50 |
| | 57 | | 7 | <u>C-1</u> | 219.00 | 163.00 | 382.00 | 0.55 | 0.41 | 0.96 | 1 | 2.50 |
| | 57 | | | C·1/2 | 219.00 | 160.50 | 379.50 | 0.53 | 0.39 | 0.92 | 1 | 2.75 |
| | 57 | 4 | 7 | | 258.50 | 191.50 | 450.00 | 0.58 | 0.43 | 1.02 | 11 | 3.75 |
| *************** | | 4 | 7 | C-1/4 | 233.50 | 179.50 | 413.00 | 0.60 | 0.46 | 1.06 | 1 | 2.25 |
| | | | | | | 175.00 | 407.90 | 0.57 | 0.43 | 0.99 | | 2.92 |
| ************************************** | | | | | 16.16 | 3.01 | 28.84 | | ∞ D.03 | | | 0.65 |
| | - | | | | 7.23 | 5.82 | 12.90 | 0.01 | 0.01 | 0.0Z | | 0.29 |
| | | | <u> </u> | | | | | | L | | | |
| Sheep | 57 | 4 | 8 | C-1 | 235.00 | 166.50 | 401.50 | 0.56 | 0.40 | 0.96 | 1 | 1.50 |
| | 57 | 4 | 8 | C-1 | 210.00 | 159.00 | 369.00 | 0.54 | 0.41 | 0.95 | 1 | 4.00 |
| | 57 | 4 | 8 | C-1/2 | 261.50 | 184.00 | 445.50 | 0.58 | 0.41 | 0.99 | 1 | 2.00 |
| | 57 | 4 | 8 | C-1/3 | 265.00 | 188.00 | 453.00 | 0.65 | 0.46 | 1.11 | 1 | 2.75 |
| | 57 | 4 | 8 | C-1/4 | 223.00 | 160.50 | 383.50 | 0.61 | 0.44 | 1.04 | 1 | 1.25 |
| | | | | ************************************** | 238,90 | 171.60 | 410.50 | 0.59 | 0.42 | 1.01 | | |
| 803 (A. C.) Sector | | | 200000000000000000000000000000000000000 | 2000000 | ··· 23.95 | | | 0.04 | 0.03 | 0.07 | | 1.11 |
| | | - | - | *************************************** | 10-71 | | 86.66 | 0.02 | 0.01 | | 1000 | |
| | | | | | 10-11 | 0.0 | 10.00 | | ************************************** | 0.03 | | |
| Sheep | 113 | 4 | 4 | C-1 | 261.50 | 100 00 | 459.50 | 0.58 | 0.44 | 1.02 | | |
| J . | 113 | 4 | 4 | | | 198.00 | | 0.30 | U.99 | | | |
| | 1 | | | | 378 60 | 344 00 | 101 EA | 0.47 | | | | |
| | 113 | | | C-1 | 278.50 | 216.00 | 494.50 | 0.67 | 0.52 | 1.19 | 1 | 4.25 |
| | 113 | 4 | 4 | C-1/2 | 216.00 | 152.50 | 368.50 | 0.52 | 0.52 | 1.19 | 1 | 4.25 1.50 |
| | 113 | 4 | 4 | C-1/2 C-1/3 | 216.00 222.00 | 152.50 160.50 | 368.50 382.50 | 0.52 0.52 | 0.52 0.37 0.38 | 1.19 0.89 0.90 | 1 1 | 4.25 1.50 2.50 |
| | 113 113 | 4 | 4 | C-1/2 | 216.00 222.00 289.00 | 152.50 160.50 220.50 | 368.50 382.50 509.50 | 0.52 0.52 0.65 | 0.52 0.37 0.38 0.50 | 1.19 0.89 0.90 1.15 | 1 | 4.25 1.50 2.50 1.50 |
| | 113 113 | 6 | 4 | C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 | 152,50 160,50 220,50 189,50 | 368.50 382.50 509.50 442.90 | 0.52 0.52 0.65 0.65 | 0.52 0.37 0.38 0.50 | 1.19 0.89 0.90 1.15 1.03 | 1 1 | 4.25 1.50 2.50 1.50 |
| 13.00 | 113 | 4 | 4 | C-1/2 C-1/3 | 216.00 222.00 289.00 253.40 | 152.50 160.50 220.50 189.50 | 368.50 382.50 509.50 442.90 64.34 | 0.52 0.52 0.65 0.59 6.07 | 0.52 0.37 0.38 0.50 0.44 | 1.19 0.89 0.90 1.15 1.03 | 1 1 1 | 4.25 1.50 2.50 1.50 2.25 |
| | 113 | 4 | 4 | C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 | 152.50 160.50 220.50 189.50 31.41 | 368.50 382.50 509.50 442.90 | 0.52 0.52 0.65 0.59 6.07 | 0.52 0.37 0.38 0.50 0.44 | 1.19 0.89 0.90 1.15 1.03 | 1 1 1 | 4.25 1.50 2.50 1.50 2.25 |
| | 113 | 4 | 4 | C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 | 152.50 160.50 220.50 189.50 31.41 | 368.50 382.50 509.50 442.90 64.34 | 0.52 0.52 0.65 0.59 6.07 | 0.52 0.37 0.38 0.50 0.44 | 1.19 0.89 0.90 1.15 1.03 | 1 1 1 | 4.25 1.50 2.50 1.50 2.25 |
| 13.00 | 113 | 4 | 4 | C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 | 152.50 160.50 220.50 189.50 31.41 | 368.50 382.50 509.50 442.90 64.34 | 0.52 0.52 0.65 0.59 6.07 | 0.52 0.37 0.38 0.50 0.44 | 1.19 0.89 0.90 1.15 1.03 | 1 1 1 | 1.50 4.25 1.50 2.50 1.50 2.25 1.20 0.54 |
| | 113 113 113 | 4 | 4 4 4 | C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 | 152.50 160.50 220.50 189.50 31.41 | 368.50 382.50 509.50 442.90 64.34 28.77 | 0.52 0.52 0.65 0.59 6.07 | 0.52 0.37 0.38 0.50 0.44 0.07 | 1.19 0.89 0.90 1.15 1.03 0.14 | 1 1 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 |
| | 113 | 4 | 4 4 4 | C-1/2 C-1/3 C-1/4 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 | 152.50 160.50 220.50 189.50 31.41 14.05 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 | 0.52 0.52 0.65 0.59 6.07 0.03 | 0.52 0.37 0.38 0.50 0.44 0.07 0.03 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 | 1 1 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 |
| | 113 113 113 | 4 4 4 | 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 | 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 4.00 |
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| | 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 | 1 1 1 1 1 1 1 1 | 4.25 1.50 2.50 1.50 2.25 2.25 3.20 3.90 1.50 4.00 |
| Sheep | 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 | 152.50 160.50 220.50 189.50 31.41 16.05 157.00 175.00 163.50 163.00 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 | 0.52 0.52 0.65 0.65 0.59 0.03 0.03 0.49 0.57 0.51 0.52 0.60 | 0.52 0.37 0.38 0.50 0.44 0.07 0.03 0.37 0.42 0.34 0.38 0.44 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 | 1 1 1 1 1 1 1 1 | 4.25 1.50 2.50 1.50 2.25 2.25 3.20 3.90 1.50 4.00 |
| Sheep | 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 227.00 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 365.10 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 392.10 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 6.54 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.34 0.38 0.44 6:39 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 1.04 0.93 | 1 1 1 1 1 1 1 1 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 2.75 |
| Sheep | 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 365.10 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 392.10 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 6.54 | 0.52 0.37 0.38 0.50 0.44 0.07 0.03 0.37 0.42 0.34 0.38 0.44 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 1.04 0.93 | 1 1 1 1 1 1 1 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 2.75 |
| Sheep | 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 227.00 14.81 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 392.10 20:22 | 0.52 0.52 0.65 0.59 0.07 0.03 0.49 0.57 0.51 0.52 0.60 0.54 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 1.04 0.93 0.08 | 1 | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 1.25 4.00 2.75 |
| Sheep | 113 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 227.00 14.81 6.62 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 2.95 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 392.10 20:22 9.04 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 0.54 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.99 0.85 0.90 1.04 0.93 0.08 | | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 1.25 4.00 2.75 1.32 |
| Sheep | 113 113 113 113 113 113 113 113 113 | 4 | 7 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 227.00 14.81 6.62 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 6.60 2.95 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 394.00 392.10 20:22 9.04 458.00 414.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 6.54 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.04 0.04 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 1.04 0.93 0.08 0.08 | | 3.00 1.25 3.00 1.20 0.54 3.00 1.25 4.00 2.75 4.00 3.00 |
| Sheep | 113 113 113 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 7 7 7 7 7 7 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 C-1/2 C-1/3 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 14.81 6.62 273.50 238.00 229.00 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 2.95 184.50 176.00 167.50 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 392.10 20:22 9.04 458.00 414.00 396.50 | 0.52 0.52 0.65 0.59 0.03 0.03 0.49 0.57 0.51 0.52 0.60 0.54 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.04 0.04 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.99 0.85 0.90 1.04 0.93 0.08 0.90 1.04 0.95 0.90 | | 4.25 1.50 2.50 1.50 2.25 1.20 9.54 3.00 1.50 4.00 2.75 4.00 3.00 2.75 |
| Sheep | 113 113 113 113 113 113 113 113 113 113 | 4 4 4 4 4 | 7 7 7 7 7 7 7 8 8 8 8 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 227.00 14.81 6.62 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 6.60 2.95 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 394.00 392.10 20:22 9.04 458.00 414.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 6.54 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.04 0.04 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.86 0.99 0.85 0.90 1.04 0.93 0.08 0.08 | | 3.00 1.25 3.00 1.20 0.54 3.00 1.25 4.00 2.75 4.00 2.75 |
| Sheep | 113 113 113 113 113 113 113 113 113 113 | 4 | 4 4 4 7 7 7 7 7 7 7 8 8 8 8 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 C-1/2 C-1/3 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 14.81 6.62 273.50 238.00 229.00 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 2.95 184.50 176.00 167.50 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 384.00 394.00 392.10 20:22 9.04 458.00 414.00 396.50 | 0.52 0.52 0.65 0.59 0.03 0.03 0.49 0.57 0.51 0.52 0.60 0.54 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.04 0.04 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.99 0.85 0.90 1.04 0.93 0.08 0.93 0.08 1.05 0.95 0.95 | | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 1.25 4.00 2.75 4.00 3.00 2.75 3.75 |
| Sheep | 113 113 113 113 113 113 113 113 113 113 | 4 | 4 4 4 7 7 7 7 7 7 7 8 8 8 8 8 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 C-1/2 C-1/3 C-1/4 C-1/2 C-1/2 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 14.81 6.62 273.50 238.00 229.00 254.50 250.50 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 6.60 2.95 184.50 176.50 171.50 176.50 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 392.10 20.22 9.04 458.00 414.00 396.50 426.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 0.54 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.04 0.04 0.04 0.05 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.99 0.85 0.90 1.04 0.93 0.08 1.05 0.95 0.94 1.05 | | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 2.75 1.32 0.59 4.00 3.00 3.75 2.75 2.75 |
| Sheep | 113 113 113 113 113 113 113 113 113 113 | 4 | 4 4 4 7 7 7 7 7 7 7 8 8 8 8 8 | C-1/2 C-1/3 C-1/4 C-1/4 C-1 C-1 C-1/2 C-1/3 C-1/4 C-1/2 C-1/3 C-1/4 C-1/2 C-1/2 C-1/2 C-1/3 C-1/4 | 216.00 222.00 289.00 253.40 32.97 14.74 205.50 240.00 241.50 221.00 227.00 214.81 6.62 273.50 238.00 229.00 254.50 250.50 | 152.50 160.50 220.50 189.50 31.41 14.05 157.00 175.00 163.50 163.00 167.00 165.10 6.60 2.95 184.50 176.50 171.50 176.50 | 368.50 382.50 509.50 442.90 64.34 28.77 362.50 415.00 405.00 394.00 392.10 20:22 9:04 458.00 414.00 396.50 426.00 427.00 | 0.52 0.52 0.65 0.59 6.07 0.03 0.49 0.57 0.51 0.52 0.60 6.34 0.05 0.05 0.05 0.05 | 0.52 0.37 0.38 0.50 0.44 0.07 0:03 0.37 0.42 0.34 0.38 0.44 0.39 0.04 0.02 0.41 0.44 0.40 0.38 0.43 | 1.19 0.89 0.90 1.15 1.03 0.14 0.06 0.99 0.85 0.90 1.04 0.93 0.08 1.05 0.95 0.94 1.05 | | 4.25 1.50 2.50 1.50 2.25 1.20 0.54 3.00 1.50 4.00 2.75 1.32 0.59 4.00 3.00 2.75 3.75 2.75 3.75 2.75 |

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| | | | o [®] Markatan kanggari | | Yejiyaji ya eksabbi | | | kri i ilikarak k | | | | |
|---------------|------------------|---|---|----------------------|--|---------------------------------------|-------------------|---------------------------------------|------------------|----------|---|------------|
| | 700 | Morbidity | | Samuel (1868 - 1975) | | | Morbidity | | Severity o | _ | | Exter |
| surv. | TOS, hrs. | TOD,min. | COD | * Preumo: | Hemoper. | Nemother. | | Cereb.Air | | Index | | Score |
| 1 | 2.50 | | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 0.08 | 0.08 | 0.00 |
| 1 | 1.50 | <u> </u> | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.051 | 0.05 | 0.05 | 0.00 |
| <u> </u> | 3.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.131 | 0.13 | 0.13 | 0.00 |
| 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.081 | 0.08 | 0.08 | 0.00 |
| 1 | 3.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.001 | 0.00 | 0.00 | 0.00 |
| | 2.50 | A 18 80 | A. 400 (40) A | | ··· 0.0 | 0.0 | 1 0.0 | 0.0 | 0.07 | 0.07 | 0.07 | 0.00 |
| ********* | 1.02 | | Mentingang talig | | 0.0 | «O.O | 0.0 | 0.0 | #### 0.05 | 0.05 | 0.05 | 0.00 |
| | 0.45 | | 4 - Grand | 0.8 | 0.8 | D.G | 0.0 | 0.0 | 20.0 | 0.02 | | 0.00 |
| | | | | | | | I | | | | | |
| 1 | 3.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.10 | 0.10 | 0.00 |
| 1 | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.05 | 0.05 | 0.00 |
| 1 | 2.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.05 | 0.05 | 0.00 |
| 1 | 3.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 0.16 | 0.16 | 0.00 |
| 1 | 2.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.38 | 0.38 | 0.00 | 0.00 |
| rdmata | 2.95 | | NX CONTRACT | . O.O | 0.0 | ** 0.0 × | 0.0 | | 0.15 | 0.15 | 0.07 | 0.00 |
| ÇCH X. F | 0.65 | and the second | - Carlo - 1000 to | D.G | . 0.0 | 0.0 | 0.0 | 0.0 | 0.13 | 0.13 | | 0.00 |
| g Page Li | 0.29 | a was to to the | | 0.0 | | | 0.0 | 0.0 | 0.06 | 0.06 | ₩0.03 | 0.00 |
| | | | | | 1 | 1 | 1 | i i | | | | |
| 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| <u> </u> | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.441 | 0.44 | 0.19 | 0.00 |
| 1 | 2.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 0.20 | 0.10 | 0.00 |
| <u> </u> | 2.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.10 | 0.00 | 0.00 |
| - | 1.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| are et i | 2.30 | 1000 N.X. (8) | | | 0.0 | 0.0 | | | | | | |
| | 1.11 | | A William Commence | 0.0 | | | | | | | | 0.00 |
| a 1 | | er i eg eg i i i | 4.7.3800000 | ******* | 0.0 | 0.0 | | 0.0 | | | ****0.04 | 0.00 |
| CONTRACTOR | 4.30 | | (0.0.0000000000000000000000000000000000 | 1 | 0.0 | <u> </u> | Const. U. U was a | 1 | 0.US > | | *************************************** | U.W |
| | 1.50 | | | | | | 0.0 | 1 00 | 0.14 | 0.94 | | 0.00 |
| ' | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 0.16 | 0.16 | 0.00 |
| | 4.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 0.19 | 0.19 | 0.00 |
| - | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.10 | 0.00 | 0.00 |
| | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.29 | 0.29 | 0.29 | 0.00 |
| 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.121 | 0.12 | 0.12 | 0.00 |
| design in | | e water (week) | 1.000 St. 1.000 | | 0.0 | 0.0 | | | 0.17 | | ····· 0.15 | |
| Option of the | | | | ··· 0.0 | - 0.0 × | 0.0 | | ··· 0.0 | | | -S# 0.11 | |
| X | 0.54 | | | *** Ø.O | ······································ | ××× 0.0 ×× | × 0.0 | ··· 0.0 ··· | 0.03 | 0.03 | 0.05 | ····* 0.00 |
| | | | | | | <u> </u> | <u> </u> | | | | | |
| <u> </u> | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 0.19 | 0.19 | 0.00 |
| | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.23 | 0.23 | 0.23 | 0.00 |
| <u></u> | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.24 | 0.24 | 0.24 | 0.00 |
| 1 | 1.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.13 | 0.13 | 0.13 | 0.00 |
| | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2.75 | | | | | | | | 0.16 | | | |
| 98°** | 1.32 | 100000000000000000000000000000000000000 | ******* | O.O | | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | 0.10 | ××0.10% | *****0:10 | 0.00 |
| · | &0.59 | | | | | | | | 0.04 | | | |
| | | | | | | 1 | 1 | T | i | | | |
| | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.22 | 0.22 | 0.22 | 0.00 |
| 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 0.16 | 0.16 | 0.00 |
| | 2.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.09 | 0.09 | 0.09 | 0.00 |
| | 3.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.23 | 0.23 | 0.23 | 0.00 |
| | 2.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.05 | 0.05 | 0.00 |
| 12.85° | | | 100 0000000000000000000000000000000000 | | | | | | | | | |
| **** | | | | | | | | 0.0 | | | Q.15 | 0.00 |
| | | | | ****0.0 | | | | | | | 80.0 | 0.00 |
| 37878384 | 0.26 | 20200-115 | 400 | 0.0 | ····· 0,0 : | | * * 0.0 | 0.0 | 0.03 | ··· U.US | ∞ 0.03 | 0.00 |
| | <u> </u> | | | <u> </u> | l | 1 | <u> </u> | <u> </u> | | | | |
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| 100 000 | | | A September 1 | | | 2000 | of a gradual part of the control of the | 1988 (1986 No. 1981) 1988 (1986 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 No. 1988 | facet | 2002/2000/00/2002 | | | Exteri | usted |
|----------------|----------|--------------|---------------|--------|----------------|--|---|---|-----------|-------------------|----------|--|--------------|--------------|
| | K/Lary X | | | | | - | 4000 | | Fractures | • | | Possible | Score | Index |
| - Rati | esible | | | Retic | sible | | | 0.00 | | 0.00 | garie | 56.00 | 0.00 | 0.08 |
| 0.0 | 60.00 | | 0.00 | 0.00 | 52.00 | _ | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.05 |
| 0.0 | 60.00 | | 5.00 | 0.00 | 52.00 | - | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.13 |
| 0.0 | 60.00 | | 5.00 | 0.00 | 52.00 | | 0.00 | 0.001 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.08 |
| 0.0 | 60.00 | | 0.00 | 0.00 | 52.00 | \vdash | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.001 | 0.00 | 0.00 |
| 0.α | 60.00 | | 2.00 | 0.00 | 52.00 | | 0,00 | 0.00 | 24,00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.07 |
| 0.0 | | 74 | | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | . 0.00 | ····0.00 | 0.00 | 0.00 | 0.05 |
| | 0.00 | | | 0.00 | 0,00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0:00 ·· | 0.00 | 0.00 | 0.02 |
| | | | | | | | | | | | | | | |
| 0.10 | 60.00 | 00 | 6.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.10 |
| 0.0 | 60.00 | 00 | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.05 |
| 0.0 | 60.00 | 00 | 3.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.05 |
| 0.0 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.16 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 |
| 0.0 | 60.00 | | 1.80 | 0.00 | 32.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.07 0.06 |
| · 0.04 | . 0.00 | | 2.68 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | ··· 0:00 | ×0.00 | 0.00 | 0.00 | 70.03 |
| 0.02 | ×0.00 | 20 | 1.20 | 0.00 | 0.00 | (), (6.8) | 0.00 | 0.00 | 0.00 | 0.00 | ··· 0.00 | 0.00 | ··· 0.00 | <u> </u> |
| | | _ | | | <u> </u> | | 2 00 | 0.00 | - 3/ 30 | | 0.00 | 54 001 | 0.00 | 0.00 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.19 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.10 |
| 0.10 | 60.00 | | 6.00 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 |
| 0.02 | 60.00 | 20 | | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | The second secon | 0.00 | 0.06 |
| 0.04 | 0.00 | | | 0.00 - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 0.0 2 | | | 1.20 | 0.00 | 0.00 | rwiting. | D.00 | 0.00 | | 0.00 | ** D. 00 | | 0.00 | 0.04 |
| | | | | | | | | | | | | | | |
| 0.10 | 60.00 | xol | 6.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.16 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.19 |
| 0.00 | 60.00 | X0 | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 |
| 0.05 | 60.00 | 00 | 3.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.29 |
| 0.12 | 60.00 | | 7.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.12 |
| ·· 0.05 | 60:00 | | 3.20 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | -0.00 | 56.00 | 0.00 | 0.15 |
| ··· 0.05 | *0.00 | | 3.27 | 0.00 | 0.00 | | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| ** 0.02 | 0.00 | 6 | 1.46 | 0.00 | 0.00 | 0,000 | 0.00 | <u>0.00</u> | 0.00 | 0.00 | ** 0.00s | 0.00 | 0.00 | 0.05 |
| | | _ | | | | | | | | | | | 0.00 | 0.19 |
| 0.07 | 60.00 | | 4.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.23 |
| 0.08 | 60.00 | | 5.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 56.00 | 0.00 | 0.24 |
| 0.08 | 60.00 | | 5.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.13 |
| 0.08 | 60.00 | | 0.00 | 0.00 | 52.00 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 |
| | 60.00 | | 3.80 | | 5Z.00 | | 7.00 | 0.00 | | * Q.00 | | 56.00 | Ø0.00 | 0.16 |
| × 0.04 | | | | 0.00 | 0.00 | | *0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.10 |
| | 0.00 | | | 0.00 | 0.00 | | O.OG | | | | 0.00 | 0.00 ··· | 0.00 | 0.04 |
| 0.0E | | | | | | | | | ****** | | | | | |
| 0.10 | 60.00 | 0 | 6.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.22 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.16 |
| 0.00 | 60.00 | | 0.00 | 0.00 | 52.00 | - | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.09 |
| 0.10 | 60.00 | | 6.00 | 0.00 | 52.00 | • | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.23 |
| 0.05 | 60.00 | | 3.00 | 0.00 | 52.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.05 |
| **0.0 5 | 60.00 | 0 | 3.00 | 0.00 | 32.00 | <i>***</i> | | | 24.00 | **0.00 | | 56.00 | 0.00 | 0.15 |
| | 0.00 | 0 | 3.00 | 0,00 | 0.00 | | | 0.00 | 0.00 | 0.00 | ·· 0.00 | 0.00 | 0.00 | 80.0 |
| 0.02 | 0.00 | 4 | 1.34 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | Ø 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |

| ut ng ngungi | ggir e mama a sa sa | 1968 | | | | | | and the second | | | 11 Mar 18 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Mar 19 Ma | A& X |
|--------------|----------------------|--------------|-------------|-------|-------|-----------------|-------|----------------|-------------|-------|--|----------------|
| WESTY. | x (80 0) (8.5 | 246.3 | Trachee | | | Lungs | | | Heart | | | Abdominal |
| ssible | Ratio | Score | Possible | Astio | Score | Possible | Ratio | | | Ratio | Score | Possible |
| 60.00 | 0.00 | 0.00 | | 0.00 | 5.00 | 64.00 | | | | | 0.00 | 48.00 |
| 60.00 | 0.00 | 3.00 | 55.00 | 0.05 | | 64.00 | | | | | 0.00 | 48.0 |
| 60.00 | 0.08 | 0.00 | | 0.00 | 3.00 | 64.00 | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | 0.08 | 0.00 | | 0.00 | | 64.00 | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | | 0.00 | | 64.00 | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | 0.03 | 0.60 | | 0.01 | | 64,00 | | 0.00 | | | 0.00 | 48.00 |
| 0.00 | 0.05 | 1.34 | | 0.02 | | 0.00 | | 0.00 | | | ···· 0.00 | 0.00 |
| 0.00 | S0.02 | 0.60 | 0.00 | 0.01 | 1,03 | 0.00 | 20.02 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60.00 | 0.10 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 3.00 | 55.00 | 0.05 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 10.00 | 64.00 | 0.16 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | | | 0.00 | 0.00 | 48.00 |
| 60.00 | ಬ.೦ | 0.60 | 55.00 | 0.01 | 2.00 | 64.00 | | 0.00 | | | 0.00 | 48.DC |
| 0.00 | 0.04 | 1.34 | 0.00 | 0.02 | 4.47 | 0.00 | | 0.00 | | | 90.00 | 0.00 |
| 70.00 | · 0.02 | 0.60 | 0.00 | 0.01 | 2.00 | 7.00 | 0.03 | 0.00 | 0.00 | 0.00 | ···· 0.00 | O.O |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | | 0.00 | | 64.00 | | | | | 0.00 | 48.00 |
| 60.00 | 0.10 | 0.00 | | 0.00 | | 64.00 | | 0.00 | | | 0.001 | 48.00 |
| 60.00 | 0.00 | 0.00 | | 0.00 | | 64.00 | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.02 | 0.00 | | 0.00 | | 64.00 | | 0.00 | 48.00 | 0.00 | | 48.00 |
| 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 5.37 | 0.00 | 0.08 | | 0.00 | 0.00 | 7.00 T.00 | 0.0C |
| 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.04 | 1 0.00 | 0.00 | 0.00 | 0.00 | 0.0C |
| | | | | | | | | | | | | |
| 60.00 | 0.10 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 3.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 12.00 | 64.00 | 0.19 | 0.00 | | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 64.00 | | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.05 | 9.00 | 55.00 | 0.16 | 5.00 | 64.00 | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | 0.12 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.05 | 1.80 | | 0.03 | | 64.00 | | 0.00 | | | 0.60 | 48.00 |
| 0.00 | | 4,02 | 0.00 | 0.07 | 5.27 | 0.00 | | <> 0.00 | 00 | *0.00 | 1.34 | ········ 0.D0 |
| 0.00 | 0.02 | 1.80 | 0.00 | 0.03 | 2.36 | 0.00 | ۰۰.04 | 0.00 | %Q.00 | 0.00 | 0.60 | 0:0c |
| 60.00 | 0.07 | 7.00 | 55.00 | 0.13 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.08 | 3.00 | 55.00 | 0.05 | 6.00 | 64.00 | 0.09 | 0.00 | | 0.00 | 0.00 | 48.0C |
| 60.00 | 0.08 | 5.00 | 55.00 | 0.09 | 4.00 | 64.00 | 0.06 | 0.00 | | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.08 | 0.00 | 55.00 | 0.00 | 3.00 | 64.00 | 0.05 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 48.00 |
| 60.00 | 0.06 | 3,00 | 55.00 | 0.05 | 2.60 | 64.00 | 0.04 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 0.00 | 0.04 | | 0,00 | | 2.61 | ××0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | S0.02 | 1238 | 0.00 | 0.03 | 1217 | 0,00 | 0.02 | 0.00 | ∞ 0.00 | 0.00 | 0,00 | 0.00 |
| 60.00 | 0.10 | 7 00 | 55.00 | 0.05 | 4 00 | 44 00 | 0.06 | 0.00 | 48.00 | 0.00 | 0.00 | /8.00 |
| 60.00 | | 3.00 6.00 | | 0.03 | | 64.00 64.00 | | 0.00 | | | 0.00 | 48.00 48.00 |
| 60.00 | | 5.00 | | 0.09 | | <u> </u> | | 0.00 | | | 0.00 | 48.00 |
| 60.00 | | 0.00 | | 0.09 | | ه.00 | | 0.00 | | | 3.00 | 48.00 |
| 60.00 | | 0.00 | | 0.00 | | 64.00 | | | | | 0.00 | 48.00 |
| 60.00 | | 2.80 | | 0.05 | | | | | | | | **** 48.00 |
| 0,00 | | | | 0.05 | | 0.00 | | | | | 1.34 | 9.00 |
| 0.00 | | | 0.00 | 0.02 | | 0.00 | | | | | 0.60 | |
| | 77.55 | | T | | | | | | | | | |
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| A wolle | bdominat Or | RAGS | Solid A | bdominat Or | 2076 | | ight Ears | 100 110 | | *Left Ears | |
|---------|-----------------|--------------|--------------------|---------------|--------------|----------------|--------------|---------|--------------|-------------|--|
| | Possible | Astio | Score | | Ratio | | Possible | Retio | Score | Possible | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.0 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44,00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | ····· 0. |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| D.0G | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | .0 0 .0 | 0.00 | 0.00 | 0,00 | 0.00 | 0. |
| | | | | | | | | | | | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.13 | 10.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 1.00 | 40.00 | 0.03 | 2.00 4.47 | 0.00 | - |
| 0.00 | 0.00 * 0.00 | 0.00 | 0.00 | 0.00 | © 200.00 | 2.24 1.00 | 0.00 0.00 | 0.06 | 2.00 | | * * * O. |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | V.US | 2.00 | V.U | |
| 0.00 | 48.00 | 0.00 | 0.00 | // 00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 10.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 4.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.80 | 40.00 | 0.02 | 2.80 | 40.00 | |
| 0.00 | 0.00 | 0.00 | ×0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.04 | 4.38 | 0:00 | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | | 0.02 | 1.96 | | |
| T | | | | | 0.00 | | | 1 | | | |
| 3.00 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.60 | 48.00 | 0.01 | 0.00 | 44.00 | 0.00 | 0.80 | 40.00 | 0.02 | 0.00 | 40.00 | 0 |
| 1.34 | 0.00 | ~0.03 | 0.00 | *0,00 | 0.00 | 1.79 | 0.00 | 0.04 | 0.00 | 0.00 | 0. |
| 0.60 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | O | 0.00 | 0:00 | O |
| | | | | | | | | | | | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 0.00 | 48.00 | 0.00 | | 44.00 | | 0.00* | ¥40.00 | 0.00 | 0.00 | *** 40:00 | ************************************** |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | | | | |
| 0,00 | 0.00 | 0.00 | 0.00 | \$0.00 | | 0,00 | 9.00 | 0.00 | 0.00 | 0,00 | 0 |
| | | | | | | | | | | | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 3.00 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| | ** 48.00 | 0.01 | **** 0.00 * | 44.00 | 0.00 | 00 | 40.00 | 0.00 | | | |
| 1.34 | 0.00 0.00 | 0.03 | 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0:00 | |
| 0.60 | | | | | | | | | | | ARREST AND AND AND AND AND AND AND AND AND AND |

| roject: | FY91 | COMPLEX 1 | WAVES | | | | · · · · · · · · · · · · · · · · · · · | sture : |
|--|---|---------------------|--|--|--|--|--|--|
| Study | | Shot | Animel | Orient. | By., kg. | Species | Charge, g. | |
| 791 | 4/9/91 | 1 | 135 | RSO | 43.9 | Sheep | 454 | 4 |
| | 4/23/91 | | 145 | | 40.0 | <u> </u> | 454 | 4 |
| | 5/1/91 | | 154 | | 41.8 | | 454 | 4 |
| | 5/20/91 | | 163 | | 41.6 | | 454 | 4 |
| | 6/4/91 | | 173 | | 40.7 | | 454 | 4 |
| 4EAN | | | | | 41.4 | | | ****** |
| SD. 34 | 777 **** | | | | | | | |
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| | | double . Transferen | | I | | | | |
| | 4/9/91 | 1 | 136 | RSO | 39.8 | Sheep | 454 | |
| | 4/23/91 | ·' | 146 | | 38.4 | 31,665 | 454 | |
| | 5/1/91 | | 155 | | 42.7 | | | |
| | | | | | | | 454 | |
| | 5/20/91 | | 164 | | 44.1 | | 454 | |
| | 6/4/91 | | 174 | | 42.3 | | 454 | 4 |
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| E | | XXX (XXX) | | 1,600 | ∞*: 1.0 : *∗ | | | |
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| | 4/9/91 | 1 | 137 | RSO | 39.5 | Sheep | 454 | 4 |
| | 4/23/91 | | 147 | | 42.3 | | 454 | 4 |
| | 5/1/91 | | 156 | | 46.4 | | 454 | 4 |
| | 5/20/91 | | 165 | | 44.3 | | 454 | 4 |
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| EAN | | × 100 - 700 - 100 | The second second second | | | 1 | No. | 99 89 60 50 50 50 50 50 50 50 50 50 50 50 50 50 |
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| 0 | 4/10/91 4/24/91 | | 138 148 | | 43.1 *** 2.5 *** 1.1 40.2 38.2 | | 907 907 | 4 |
| 0 | 4/10/91 4/24/91 5/6/91 | | 138 148 157 | | 43.1 *** 2.5 *1.1 | | 907 | 4 |
| D | 4/10/91 4/24/91 5/6/91 5/21/91 | | 138 148 157 166 | | 43.1 *** 2.5 *** 1.1 40.2 38.2 | | 907 907 | 4 |
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| D SP | 4/10/91 4/24/91 5/6/91 5/21/91 | | 138 148 157 166 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 | | 907 907 907 907 907 | 4 |
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| D SP | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 | 1 | 138 148 157 166 176 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 | Sheep | 907 907 907 907 907 907 | 4 |
| O SP | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 4/24/91 5/6/91 | 1 | 138 148 157 166 176 139 149 158 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 50.4 42.3 | Sheep | 907 907 907 907 907 907 907 907 | 4 4 4 4 4 4 4 4 |
| D SP | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 4/24/91 5/6/91 5/21/91 | 1 | 138 148 157 166 176 176 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 50.4 42.3 40.7 | Sheep | 907 907 907 907 907 907 907 907 907 | 4 4 4 4 4 4 4 4 4 |
| EAN DEE | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 | 1 | 138 148 157 166 176 176 139 149 158 167 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 50.4 42.3 40.7 | Sheep | 907 907 907 907 907 907 907 907 907 907 | 4 4 4 4 4 4 4 |
| EAN DE | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 | 1 | 138 148 157 166 176 176 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 50.4 42.3 40.7 40.5 | Sheep | 907 907 907 907 907 907 907 907 907 907 | 6 6 6 |
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| EAN D | 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 4/10/91 4/24/91 5/6/91 5/21/91 6/5/91 | 1 | 138 148 157 166 176 176 139 149 158 167 177 | RSO | 43.1 2.5 1.1 40.2 38.2 45.5 44.1 43.4 42.3 3.0 1.3 42.7 50.4 42.3 40.7 40.5 43.3 | Sheep | 907 907 907 907 907 907 907 907 907 907 | 4 |
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| 4.54 4 4 C-1 282,50 198,50 481,00 0.71 0.50 1.20 1 4.00 4.54 4 4 C-1/2 283,00 210,50 493,50 0.68 0.50 1.18 1 3.00 4.54 4 4 C-1/3 229,50 175,50 405,00 0.55 0.42 0.97 1 3.00 4.54 4 4 C-1/3 229,50 177,50 405,00 0.55 0.43 1.01 1 2.00 4.54 4 4 C-1/4 223,00 197,40 449,20 0.42 0.44 1.08 1 2.00 4.54 4 4 C-1/4 223,00 190,00 442,00 0.45 0.44 1.08 4.54 4 7 C-1 220,00 190,00 442,00 0.43 0.48 1.11 1 3.00 4.55 4 7 C-1 220,00 190,00 442,00 0.55 0.43 0.48 1.11 1 3.00 4.55 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 2.70 4.54 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 2.70 4.54 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.56 4 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 6 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 6 7 C-1/2 255,00 186,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 6 7 C-1/2 239,00 180,00 439,00 0.59 0.44 1.03 1 1.00 4.55 4 6 7 C-1/2 239,00 180,00 439,00 0.59 0.44 1.03 1 1.00 4.56 4 7 C-1/2 239,00 180,00 439,00 0.59 0.44 1.03 1 1.00 4.57 4 8 C-1/2 230,00 177,00 235,00 0.05 0.05 0.05 0.00 4.58 4 8 C-1/2 237,00 180,00 431,00 0.07 0.03 0.09 4.58 4 8 C-1/2 237,00 180,00 431,00 0.07 0.03 0.09 4.59 4 4 8 C-1/2 237,50 180,00 431,00 0.07 0.03 0.09 4.50 4 8 C-1/3 237,50 180,00 477,70 0.05 0.43 0.40 0.99 4.50 4 8 C-1/3 237,50 180,00 477,70 0.05 0.44 0.09 4.70 4 4 C-1/2 240,00 179,70 0.27,70 0.55 0.42 0.99 4.70 4 7 C-1/2 220,00 200,00 0.59 0.44 0.09 4.70 6 1 1.00 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.40 0.09 4.70 6 1 1.00 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.40 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.03 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.03 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.03 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.04 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.04 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.04 0.09 4.70 7 C-1/2 230,00 120,00 420,00 0.05 0.00 0.00 0.00 0.00 4.70 7 C-1/2 240,00 179,70 0.25 0.00 0.05 0.00 0.00 | | ure of Tes | | | | | | | aftar réaltaí | 20 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1. | - Q896 - Q | SANCE I | Mor |
|---|--|--|--|------------------------------|-----------------|----------------|--------|-------------|---------------|--|--------------|--|-------------------|
| 454 4 C-1 222,50 198.50 641,00 0.77 0.50 1.20 1 4.00 4 | | | Range, fi | Config. | | MAN LL | ven TL | RLP | LLP | TLP | Fat/Surv. | TOS, hrs. | 10 |
| 554 | | | | C-1 | 254.00 | 203.00 | 457.00 | 0.58 | 0.46 | 1.04 | 1 | 1.25 | |
| 454 4 6 C-1/3 229 50 175 50 405 50 0 .55 0 .42 0 .97 1 3 .50 4 4 C-1/4 225 50 175 50 175 50 405 50 0 .55 0 .43 1.01 1 2 .00 4 4 C-1/4 227 .00 184 92 .00 18 .00 | | | | <u> </u> | 282.50 | | 481.00 | 0.71 | 0.50 | 1.20 | 1 | 4.00 | |
| 4 | | | | C-1/2 | 283.00 | | 493.50 | 0.68 | 0.50 | 1.18 | 1 | 3.00 | |
| 25.50 \$192.60 \$192.60 \$46.20 \$6.22 \$6.60 \$1.66 \$2.25 \$1.00 \$2.55 \$1.00 \$2.55 \$1.00 \$ | | | | | | | | 0.55 | 0.42 | 0.97 | 1 | 3.00 | |
| 1.05 | | | | | | | | | | 1.01 | 1 | 2.00 | |
| 11,35 | | | | | | | | | | | | 2.65 | |
| 454 4 7 C-1 252.00 190.00 442.00 0.63 0.48 1.11 1 3.00 455 4 7 C-1 230.00 173.00 463.00 0.60 0.45 1.05 1 2.70 4.55 4 7 C-1/2 253.00 186.00 453.00 0.59 0.44 1.03 1 1.00 1 2.70 4.55 4 7 C-1/2 253.00 186.00 439.00 0.59 0.44 1.03 1 1.00 4.55 4 7 C-1/2 253.50 180.00 419.00 0.54 0.41 0.95 1 4.50 4.55 4 7 C-1/4 206.50 147.00 353.50 0.49 0.35 0.64 1 1.00 4.20 0.02 0.02 0.05 0.10 1.40 4.51 4.51 4.51 4.60 4.60 4.60 4.60 4.60 4.60 4.60 4.60 4.60 4.60 <t< td=""><td></td><td>****</td><td></td><td></td><td></td><td></td><td></td><td>0.07</td><td>0.04</td><td>0.10</td><td></td><td></td><td>gβ_y (</td></t<> | | **** | | | | | | 0.07 | 0.04 | 0.10 | | | gβ _y (|
| 454 4 7 C-1/2 253.00 173.00 403.00 0.60 0.45 1.05 1 2.70 4554 4 7 C-1/2 253.00 186.00 439.00 0.59 0.44 1.03 1 1.00 4554 4 7 C-1/3 299.00 180.00 439.00 0.59 0.44 1.03 1 1.00 4554 4 7 C-1/4 206.50 180.00 439.00 0.59 0.44 1.03 1 1.00 4554 4 7 C-1/4 206.50 180.00 439.00 0.59 0.44 1.03 1 1.00 4554 4 7 C-1/4 206.50 187.20 353.50 0.49 0.35 0.84 1 1.00 4554 4 7 C-1/4 206.50 187.20 181.30 0.57 0.43 1.00 2.24 4 8 C-1 263.00 185.00 380.00 4.09 0.05 0.05 0.10 3.1.60 4554 4 8 C-1/2 222.00 180.00 431.00 0.67 0.43 1.00 1 1.00 4554 4 8 C-1/2 222.00 210.00 492.00 0.61 0.45 1.06 1 2.00 4554 4 8 C-1/4 227.00 182.00 409.00 0.54 0.37 0.92 1 1.06 4 8 C-1/4 227.00 182.00 409.00 0.55 0.42 0.97 1 4.00 4 8 C-1/3 248.00 179.70 427.70 0.58 0.42 0.97 1 4.00 4 4 C-1/3 346.00 252.00 618.00 0.91 0.53 0.40 0.03 0.08 0.08 4 4 C-1/3 346.50 202.50 555.00 0.91 0.05 0.03 0.08 0.08 4 4 C-1/3 346.00 252.00 618.00 0.91 0.53 0.40 0.03 0.08 4 4 C-1/3 242.00 206.50 486.50 0.07 0.09 0.57 0.45 1.40 1 1.00 4 4 C-1/3 242.00 206.50 486.50 0.07 0.09 0.57 0.45 1.40 1 1.00 4 4 C-1/3 242.00 206.50 486.50 0.09 0.05 0.05 0.03 0.08 0.08 0.08 0.08 0.08 0.08 0.08 | 2014 St. 2015 | Sagara - 1980ga ara a | racerus Colog | | 11,35 | 7.36 | 18.12 | 0.03 | 0.02 | 0.05 | 1000 | 0.47 | See See |
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| \$\frac{454}{2556}\$ \{ \qq} \} \qq \qq \qq \qq \qq \qq \qq \qq | | | | C-1/2 | 253.00 | 186.00 | 439.00 | 0.59 | 0.44 | 1.03 | 1 | 1.00 | |
| 236, 10 | | | | C-1/3 | 239.00 | 180.00 | 419.00 | 0.54 | 0.41 | 0.95 | 1 | 4.50 | |
| \$1.0.11 \$17.02 \$5.98 \$0.06 \$0.05 \$0.10 \$3.1.56 \$0.66 \$ | | | | | | 147.00 | 353.50 | 0.49 | 0.35 | 0.84 | 1 | 1.00 | |
| \$.54 | ********** | | 3000 | 10.74.20.00 | 236.10 | 175.20 | 411:30 | 0.57 | 0.43 | 1.00 | 10.000 | 2.44 | |
| 8.54 | | | | | | | | 0.06 | 0.05 | 0.10 | | 1.48 | |
| 10.56 | | | | ******** | ****8.54 | 38 7.61 | 16.09 | 0.0Z | 0.02 | 0.05 | | 0.66 | £40.00 |
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| 1.00 | | 4 | 8 | C-1 | 263.00 | 168.00 | 431.00 | 0.67 | 0.43 | 1.09 | 1 | 4.00 | |
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| 56 4 8 C-1/4 227.00 182.00 409.00 0.53 0.42 0.95 1 4.00 248.00 179.70 427.70 0.58 0.42 0.99 2.40 23.66 19.43 39.04 0.06 0.03 0.08 15.52 248.00 252.00 618.00 0.91 0.63 1.54 1 1.00 07 4 4 C-1 366.00 252.00 618.00 0.91 0.63 1.54 1 1.00 07 4 4 C-1/2 432.50 205.50 551.00 0.91 0.53 1.44 1 4.00 07 4 4 C-1/3 222.00 206.50 488.50 0.64 0.67 1.11 1 1.00 07 4 4 C-1/3 222.00 206.50 488.50 0.64 0.67 1.11 1 1.00 07 4 4 C-1/4 247.00 192.00 439.00 0.57 0.44 1.01 1 4.00 08 335.20 211.70 546.90 0.80 0.55 1.30 2.20 372.81 23.25 84.30 0.18 0.08 0.25 1.30 2.20 372.81 23.25 84.30 0.18 0.08 0.25 1.30 2.20 07 4 7 C-1 254.00 230.00 484.00 0.59 0.54 1.13 1 2.50 07 4 7 C-1/3 189.00 167.00 356.00 0.46 0.41 0.95 1 3.00 07 4 7 C-1/4 14.50 155.50 37.70 0.08 0.04 0.95 1 3.00 07 4 7 C-1/3 189.00 167.00 356.00 0.46 0.41 0.95 1 3.00 07 4 7 C-1/4 14.50 155.50 370.00 0.53 0.33 0.09 1 1 3.00 07 4 7 C-1/4 14.50 155.50 370.00 0.53 0.33 0.09 1 1 3.00 07 4 7 C-1/4 14.50 155.50 370.00 0.53 0.33 0.09 1 1 3.00 07 4 7 C-1/4 14.50 155.50 370.00 0.53 0.33 0.06 0.91 1 3.00 07 4 8 C-1/4 242.50 184.00 418.50 0.69 0.66 1.55 2 07 4 8 C-1/2 291.00 234.00 525.50 0.89 0.66 1.55 2 07 4 8 C-1/2 291.00 235.00 484.00 0.69 0.66 1.55 2 07 4 8 C-1/2 291.00 235.00 365.00 0.59 0.65 1.04 1 1.00 07 4 8 C-1/2 291.00 235.00 365.00 0.59 0.65 1.04 1.15 1 1.00 07 4 8 C-1/4 242.50 184.00 426.50 0.59 0.65 1.04 1 1.00 07 4 8 C-1/4 242.50 184.00 365.00 0.59 0.66 1.55 2 274.70 215.10 485.50 0.59 0.65 1.04 1 1.00 1 1 4.00 07 4 8 C-1/4 242.50 184.00 426.50 0.59 0.65 1.04 1 1.00 | | 4 | 8 | C-1/2 | 282.00 | 210.00 | 492.00 | 0.61 | 0.45 | 1.06 | 1 | 2.00 | |
| 245.00 179.70 427.70 0.58 0.42 0.99 2.40 245.00 179.70 427.70 0.58 0.42 0.99 2.40 23.66 819.43 39.04 0.06 0.03 0.08 1.52 25.66 819.43 39.04 0.06 0.03 0.01 0.03 0.68 07 4 4 C-1 366.00 252.00 618.00 0.91 0.63 1.54 1 1.00 07 4 4 C-1/2 432.50 202.50 551.00 0.91 0.53 1.44 1 6.00 07 4 4 C-1/2 432.50 205.50 438.00 0.95 0.45 1.40 1 1.00 07 4 4 C-1/3 282.00 266.50 488.50 0.64 0.47 1.11 1 1.00 07 4 4 C-1/4 247.00 192.00 439.00 0.57 0.44 1.01 1 4.00 07 4 5 C-1/4 247.00 192.00 439.00 0.57 0.44 1.01 1 4.00 08 335.20 211.70 546.90 0.80 0.50 1.30 2.20 07 4 7 C-1 254.00 230.00 484.00 0.59 0.54 1.13 1 2.50 07 4 7 C-1 273.00 204.00 477.00 0.54 0.40 0.95 1 3.00 07 4 7 C-1/2 187.30 187.50 188.00 0.59 0.54 1.13 1 2.50 07 4 7 C-1/3 189.00 167.00 356.00 0.64 0.41 0.95 1 3.00 07 4 7 C-1/3 189.00 167.00 356.00 0.64 0.41 0.95 1 3.00 07 4 7 C-1/3 189.00 167.00 356.00 0.64 0.41 0.95 1 3.00 07 4 7 C-1/3 189.00 167.00 356.00 0.64 0.41 0.95 1 3.00 07 4 7 C-1/3 189.00 167.00 356.00 0.53 0.38 0.91 1 3.00 07 4 7 C-1/4 214.50 155.50 370.00 0.53 0.38 0.91 1 3.00 07 4 8 C-1/4 214.50 155.50 370.00 0.53 0.38 0.91 1 3.00 07 4 8 C-1/2 291.00 234.00 525.50 0.70 0.56 1.26 1 2.00 07 4 8 C-1/2 291.00 234.00 525.50 0.70 0.56 1.26 1 2.00 07 4 8 C-1/2 291.00 234.00 525.50 0.70 0.56 1.26 1 2.00 07 4 8 C-1/2 291.00 234.00 525.50 0.70 0.55 1.04 1.04 1 0.00 07 4 8 C-1/4 262.50 184.00 426.50 0.59 0.65 1.04 1.06 1.06 1.00 07 4 8 C-1/4 262.50 184.00 426.50 0.59 0.65 1.04 1.00 1 1.00 07 4 8 C-1/4 262.50 184.00 426.50 0.59 0.65 1.04 1.00 1.00 | | 4 | 8 | C-1/3 | 237.50 | 180.00 | 417.50 | 0.54 | 0.41 | 0.94 | 1 | 1.00 | |
| 23.66 | 4 | 4 | 8 | C-1/4 | 227.00 | 182.00 | 409.00 | 0.53 | 0.42 | 0.95 | 1 | 4.00 | |
| 23:66 | | | 100 | 36 a.m. C. | · 248.00 | 179.70 | 427,70 | 0.58 | 0.42 | 0.99 | 2000 | 2.40 | |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c | and a | and the second | | ******* | 23.66 | *** 19.43 | 39.04 | 0.06 | 0.03 | 0.08 | | | dest. |
| 007 | | 3.040 (S \$\$ \$\$\$\$\$ | ************************************** | 700000000 | *** 10.58 | 8.69 | 17.46 | | ********** | *************************************** | | | |
| 07 | | | | فيهيد بالقائد الخاصط القاسات | | l l | | | 1 | | T | | |
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| 07 | , | 4 | 7 | C+1 | 254.00 | 230.00 | 484 00 | 0.50 | 0.5/ | 1 17 | + | 3 50 | |
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| 07 | | | | | 32.YI | 30.44 | | | | | | | |
| 07 4 8 C-1 355.00 263.50 618.50 0.89 0.66 1.55 2 07 4 8 C-1/2 291.00 234.00 525.50 0.70 0.56 1.26 1 2.00 07 4 8 C-1/3 213.00 182.00 395.00 0.52 0.44 0.96 1 4.00 07 4 8 C-1/4 242.50 184.00 426.50 0.59 0.45 1.04 1 1.00 07 27 274.70 215.10 489.90 0.67 0.52 1.19 | *************************************** | <u> </u> | 0.0.000.0000.00 | | 14.72 | | ∠0.⇔ | U.U2 | v.03 | 9.04 | | **** U. Z4 | |
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| 07 4 8 C-1/4 242.50 184.00 426.50 0.59 0.45 1.04 1 1.00 274.70 215.10 489.90 0.67 0.52 1.19 2.20 | | | | | | | | | | | | | |
| 274.70 - 215.10 - 489.90 - 0.67 - 0.52 - 1.19 - 2.20 | | | | | | | | | | | • | | |
| | | | | C-1/4 | | | | | | | | | |
| | and the second second | | | | × 274.70 | × 215.10 | 489.90 | 0.67 | 0.52 | 1.19 | | | |
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| ٧. | ajuuji e Kilippera | Morbidity | - VA 2700. | | to stylen illeriae | | Marbidity | | Severity of | Injur | Adjusted | Exter | el L |
|----------|--|---|--|---|---|--|---|--|--------------------------------------|---|---|--------------------------------------|---------------------------------------|
| | TOS, hrs. | 100 min. | 000 | Pneumo. | Hemuşer. | Hemothor. | Coron.Air | Cereb.Air | Ratios | Index | 1ndex | Score | Pc |
| | 1.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.00 | 0.92 | 0.00 | |
| | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.10 | 1.10 | 1.10 | 0.00 | |
| \perp | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.82 | 0.82 | 0.00 | |
| | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.28 | 1.28 | 1.28 | 0.00 | |
| | 2.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.82 | 0.82 | 0.00 | |
| - 38 | 2.65 | 88°. A. B. | | O.D | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.00 | 0.99 | 0.00 | 1 |
| (39) | | ration and a single | 1 14 VIII 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 0.20 | 0.20 | 0.00 | |
| | 0.47 | Levery Philips | | Ç. 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.09 | 0.09 | 0.09 | 0.00 | 4.50 |
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| \dashv | 2.70 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 0.89 | 0.89 | 0.00 | - |
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| -+ | 4.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 0.81 | 0.81 | 0.00 | |
| -+ | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.09 | 1.09 | 0.77 | 0.00 | |
| | 2.44 | | | 0.0 | 0.0 | 0.0 1 | 0.0 | 0.0 | 1.00 | 1.00 | 0.92 | | 40 . 550 |
| | 1.48 | | | 0.0 | 0.0 | 0.0 | 0.0 | D.0 | 0,17 | 0.17 | © 0:14 | 0.00 | |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | 0.08 | 0.06 | | |
| | | | | 1 | 1 | | | | , | 0.00 | V.00 | | **** |
| \dashv | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.31 | 1.31 | 1.26 | 0.00 | |
| 1 | 1,00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.33 | 1.33 | 1.18 | 0.00 | <u> </u> |
| 7 | 2.00 | | | 0.0 | 0.C | 0.0 | 0.0 | 0.0 | 0.80 | 0.80 | 0.75 | 0.00 | 1 |
| 1 | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 0.71 | 0.71 | 0.00 | ┢ |
| | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.48 | 1.48 | 1.48 | 0.00 | \vdash |
| | 2.40 | | 2 : ., 27 80, 333 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,13 | 1.13 | 1.08 | 0.00 | |
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| | Q.68 | | | 0.0 | 0.0 | 0,0 | 0.0 | G.D | 0.16 | 0.16 | ***0115 *** | 0.00 | ANGES OF |
| \Box | | | | | | | | | | | | | |
| \Box | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.52 | 2.52 | 2.52 | 0.00 | |
| \Box | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.46 | 2.46 | 2.46 | 0.00 | |
| | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.96 | 1.96 | 1.86 | 0.00 | |
| \Box | 1.00 | | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.74 | 3.74 | 3.74 | 0.00 | |
| \Box | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.65 | 1.65 | 1.65 | 0.00 | |
| | | | | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 2.27 | 2.47 | | | |
| <u></u> | 1.64 | | ****** | 0.0 | | . O.D | 0.0 | G.O | 0.45 | | 0:81 | | |
| *** | 0.73 | | 10000000 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.20 | 0.36 | 0.36 | 0.00 | 8 |
| -+ | | | | ļ | ļ <u>. </u> | ļ <u>.</u> | | | | | | | |
| -+ | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.62 | 1.62 | 1.52 | 0.00 | |
| } | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.21 | 1.21 | 1.21 | 0.00 | |
| - | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.09 | 1.09 | 1.09 | 0.00 | |
| 4 | 3.00 | | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.53 | 2.53 | 2.53 | 0.00 | _ |
| | 3.00 3.10 | *************************************** | 40000000000000000000000000000000000000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.17 | 1.17 | 0.00 | |
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| | 0.55 | | | | | 200 march - 🚗 - 200 m | 00000000 6. 1 4 777 € 1 | 505000000 🗪 🗸 🗪 KONANA | | | | ACCO. 111 . 1 10 11 | |
| | 0.55 | | | | 0.2 | 0.0 | 0.0 | D.0 | 0,11 | ≫ ∞0.27 | 0.27 | | |
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| | 0.55 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.31 | 2.31 | 2.31 | 0.00 | |
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| | 0.55 0.24 4.00 2.00 4.00 1.00 2.20 | 1 | 1 | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.0 0.0 1.0 1.0 3.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 2.0 0.0 0.0 0.0 | 0.0 1.0 0.0 0.0 0.0 | 2.31 2.81 2.67 1.70 2.49 | 2.31 11.63 3.67 2.70 5.49 | 2.31 11.53 3.42 2.70 5.49 | 0.00 0.00 0.00 0.00 0.00 | |
| | 0.55 0.24 4.00 2.00 4.00 1.00 2.20 | 1 | 1 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 1.0 1.0 3.0 | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 2.0 0.0 0.0 0.0 0.4 | 0.0 1.0 0.0 0.0 0.0 0.0 | 2.31 2.81 2.67 1.70 2.49 | 2.31 11.63 3.67 2.70 5.49 5.16 3.82 | 2.31 11.53 3.42 2.70 5.49 5.09 | 0.00 0.00 0.00 0.00 | |

| | | and the same of | North Artes | regulario, respective | | | | | Service and the Property | 100 m | | iga daga ay ay |
|--------|-------------|-----------------|--|-----------------------|--------------|-------------|---------|----------------|---|----------------|------------|--------------------|
| ted | ***** | al Lesions | | arassiyas) aliyibi. | fractures | | | Burns | | | Possible | Ratio |
| dex | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ratio | \$core 5.00 | 60.00 | 0.08 |
| .921 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 9.00 | 52.00 | 0.17 | 6.00 | 60.00 | 0.10 |
| .10 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 11.00 | 52.00 | 0.21 | 6.00 | 60.00 | 0.10 |
| 1.82 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 9.00 | 52.00 52.00 | 0.17 | 5.00 | 60.00 | 0.08 |
| .28 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 10.00 | 52.00 | 0.19 | 8.00 | 60.00 | 0.13 |
| .82 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 9.80 | 52.00 | 0.19 | 6.00 | 60.00 | 0.10 |
| .99 | 0.00 | \$6.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.84 | 0.00 | 50.0 | | 0.00 | 0.02 |
| 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.01 | 0.55 | 0.00 | 0.01 |
| 3-09 | 0.00 | 0,00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | ** ************************************ | 1 | 1 | |
| 1.12 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 | 0.13 |
| 3.89 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | 0.08 |
| 0.81 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 | 0.10 |
| 0.77 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0.12 |
| 0.99 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0.12 |
| 3.92 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | | 0.00 | 52.00 | 0.00 | 6.60 | 60.00 | 0.11 |
| 3.14. | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.0g | 0.00 | 0.00 | 1,14 | **** 0.00s | SO.O |
| 7.06 | 0.00 | 0.00 | والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية وا | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.01 ··· |
| T | | 1 | | | | | | | | 1 | | |
| 1.26 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 | 0.10 |
| 1.18 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0.12 |
| 0.75 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 12.00 | 60.00 | 0.20 |
| 0.71 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 6.00 | 60.00 | 0.10 |
| 1.48 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 16.00 | 60.00 | 0.27 |
| 1.08 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 9.40 | ×60.00 | × 0.16 |
| 0.33 | 0.00 | · · · 0.00 | | ···· 0.00 | 0.00 | U.DO | | 0.00 | 0.00 | 4,45 | | * 0.07 - |
| 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ** 0.00 | 0.00 | 0.00 | 1,99 | 0.00 | <u> </u> |
| | | | | | | | | | | | | |
| 2.52 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 7.00 | 60.00: | 0.12 |
| 2.46 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 11.00 | 52.00 | 0.21 | 44.00 | 60.00 | 0.73 |
| 1.86 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 11.00 | 52.00 | 0.21 | 6.00 | 60.00 | 0.10 |
| 3.74 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 9.00 | 52.00 | 0.17 | 44.00 | 60.00 | 0.73 |
| 1.65 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 10.00 | 52.00 | 0.19 | 16.00 23.40 | 60.00 | |
| 2.45 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 10.60 | | 0.20 | 19.20 | *** 0.00 | 0.39 0.32 |
| 0.81 | 0.00 | | × 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 0.00 | | 8.59 | 0.00 | 0.14 |
| 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.01 | 6.37 | | W. 14 |
| | | | | | | | | 52.00 | 0.00 | 8.00 | 60.00 | 0.13 |
| 1.52 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0.12 |
| 1.21 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | 0.12 |
| 1.09 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 10.00 | 60.00 | 0.17 |
| 2.53 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 14.00 | 60.00 | 0.23 |
| 1.17 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | | | | 9.20 | 60.00 | 0.15 |
| | 0.00 | | | | | | | | | | 0.00 | |
| 3.27 | | | | 0.00 | 0.00 0.00 | 0.00 | 0.00 | | | | | 0.02 |
| J-26.0 | | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 2.31 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 | 0.30 |
| 1.53 | 0.00 | | | 0.00 | 24.00 | 0.00 | 0.00 | | | 18.00 | 60.00 | 0.30 |
| 3.42 | 0.00 | | | 0.00 | 24.00 | 0.00 | 0.00 | | | 18.00 | 60.00 | 0.30 |
| 2.70 | 0.00 | | | 0.00 | 24.00 | 0.00 | 0.00 | | | 12.00 | 60.00 | 0.20 |
| 5.49 | 0.00 | | | 0.00 | 24.00 | 0.00 | 0.00 | | | 24.00 | 60.00 | 0.40 |
| 5.09 | | | | | | 0.00 | 0.00 | | | 18.00 | | 0.30 |
| 3.80 | 8.00 | | | 0.00 | | 0.00 | 0.00 | | | | 0.00 | 0,07 |
| | | | | | | | | | | | | |
| 1.70 | 0.00 | 0.00 | | 2222 D AA | ····· 0.00 | 0.00 | | 0.00 | 0.00 | | ··· 0.00 | ······ U, US ····· |

| X | r ja jääki ja saittaitaan | d. 1995 speeds | Traches | (M) (20) (400 (50) (500) | - at the consequence of the | one I i mane | | | | | | bdominal Org |
|-------------|---------------------------|--|---------------------------|--------------------------|--|---|-------------|-------------|----------|--|--|----------------|
| - A | Ratio | ***** | Possible | Ratio | | Possible | Aatio | Score | Possible | Ratio | Score | |
| | 0.08 | 7.00 | 55.00 | 0.13 | 21.00 | 64.00 | 0.33 | 5.00 | 48.00 | 0.10 | 5.00 | 48.00 |
| | 0.10 | 12.00 | 55.00 | 0.22 | 27.00 | 64.00 | 0.42 | 0.00 | 48.00 | 0.00 | 7.00 | 48.00 |
| | 0.10 | 9.00 | 55.00 | 0.16 | 18.00 | 64.00 | 0.28 | 0.00 | 48.00 | 0.00 | 5.00 | 48.00 |
| | 0.08 | 6.00 | 55.00 | 0.11 | 16.00 | 64.00 | 0.25 | 5.00 | 48.00 | 0.10 | 26.00 | 48.00 |
| | 0.13 | 7.00 | 55.00 | 0.13 | 14.00 | 64.00 | 0.22 | 0.00 | 48.00 | 0.00 | 7.00 | 48.00 |
| 100 | 0.10 | 8.20 | 55.00 | 0.15 | 19.20 | 64.00 | 0.30 | 2.00 | 48.00 | 0.04 | 10.00 | 48.00 |
| e e | 0.02 | 2.39 | 0.00 | 0.04 | 5.07 | 0.00 | 0.08 | 2.74 | 0.00 | 0.06 | 9.00 | |
| S | | 1.07 | 0.00 | ×0.02 | 2.27 | 0.00 | 0.04 | 1.22 | 0.00 | 0.03 | | 0.00 |
| ***** | | | | <u> </u> | 1 | | | | | | | 1 |
| | 0.13 | 18.00 | 55.00 | 0.33 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 5.00 | 48.00 |
| | 0.08 | 14.00 | 55.00 | 0.25 | 6.00 | 64.00 | 0.09 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| | 0.10 | 7.00 | 55.00 | 0.13 | 16.00 | 64.00 | 0.25 | 0.00 | 48.00 | 0.00 | 16.00 | 48.00 |
| | 0.12 | 6.00 | 55.00 | 0.11 | 24.00 | 64.00 | 0.38 | 0.00 | 48.00 | 0.00 | 8.00 | 48.00 |
| | 0.12 | 7.00 | 55.00 | 0.13 | 14.00 | 64.00 | 0.22 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| | 0.11 | ×10.40 | 75.00 × | 0.19 | 18.00 | 64.00 | 0.28 | 0.00 | 48.00 | 0.00 | × 14.60 | 48.00 |
| | | 5.32 | 0.00 | 0.10 | 9,27 | | 0.14 | 0.00 | 0.00 | 0,00 | 7.86 | 0.00 |
| | 0.01 | 2.38° | 0.00 | 0.04 | 4,15 | 0.00 | 0.06 | 0.00 | 0,00 | 0.00 | ×3.52% | 0.00 |
| | | | | | | | | | | ı | | |
| | 0.10 | 7.00 | 55.00 | 0.13 | 24.00 | 64.00 | 0.38 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| | 0.12 | 14.00 | 55.00 | 0.25 | 18.00 | 64.00 | 0.28 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| | 0.20 | 6.00 | 55.00 | 0.11 | 20.00 | 64.00 | 0.31 | 0.00 | 48.00 | 0.00 | 6.00 | 48.00 |
| | 0.10 | 12.00 | 55.00 | 0.22 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 10.00 | 48.00 |
| | 0.27 | 12.00 | 55.00 | 0.22 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 22.00 | 48.00 |
| * | 0.16 | 10.20 | 55,00 | 0.19 | 20.80 | 64.00 | 0.33 | 0.00 | 48.00 | 0.00 | 16.40 | ∞ 48.00 |
| ×. | *** 0.07 | | 0.00 | 0.06 | · · · 6.72 | 0.00 | 0.11 | | 0.00 | | ··· 7:92* | 0.00 |
| | 0,03 | 1.56 | 0.00 | 0.03 | | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 3:54.00 | 0.00 |
| | | | | 1 | | | | | | | | |
| | 0.12 | 40.00 | 55.00 | 0.73 | 52.00 | 64.00 | 0.81 | 0.00 | 48.00 | 0.00 | 26.00 | 48.00 |
| | 0.73 | 7.00 | 55.00 | 0.13 | 39.00 | 64.00 | 0.61 | 8.00 | 48.00 | 0.17 | 24.00 | 48.00 |
| | 0.10 | 12.00 | 55.00 | 0.22 | 48.00 | 64.00 | 0.75 | 0.00 | 48.00 | 0.00 | 28.00 | 48.00 |
| | 0.73 | 7.00 | 55.00 | 0.13 | 44.00 | 64.00 | 0.69 | 0.00 | 48.00 | 0.00 | 39.00 | 48.00 |
| | 0.27 | 5.00 | 55.00 | 0.09 | 27.00 | 64.00 | 0.42 | 0.00 | 48.00 | 0.00 | 28.00 | 48.00 |
| | 0.39 | 14.20 | 55.00 | 0.26 | 42.00 | 64.00 | 0.66 | 1.60 | 48.00 | 0.03 | 29.00 | 48.00 |
| | 0.32 | 14.65 | 0.00 | 0.27 | 9.67 | 0.00 | 0.15 | 3.58 | 0,00 | 0.07 | × 5:83** | |
| | 0.14 | 6.53 | 0.00 | \$1.0 | 4.32 | 0.00 | 0.07 | 1.60 | 0.00 | 0.03 | × 2.61*** | 0.00 |
| | | | | | | | | 1 | I | ı | | |
| | 0.13 | 18.00 | 55.00 | 0.33 | 36.00 | 64.00 | 0.56 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| | 0.12 | 7.00 | 55.00 | 0.13 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| _ | 0.12 | 9.00 | 55.00 | 0.16 | 22.00 | 64.00 | 0.34 | 0.00 | 48.00 | 0.00 | 18.00 | 48.00 |
| | 0.17 | 8.00 | 55.00 | 0.15 | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| | 0.23 | 5.00 | 55.00 | 0.09 | 22.00 | 64.00 | 0.34 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| **** | 0.15 | | | 0.17 | | 000000000000000000000000000000000000000 | 0.45 | | | 00000000000000000000000000000000000000 | 00000000000000000000000000000000000000 | 48.00 |
| | 0.05 | | | | | 0.00 | | .00.0 | | | | ****0.00 |
| | 0.02 | | | | | 0.00 | | . O.C | | | | 0.0G |
| - | | | | | | | | | 1 | | | |
| | 0.30 | 20.00 | 55.00 | 0.36 | 33.00 | 64.00 | 0.52 | 5.00 | 48.00 | 0.10 | 36.00 | 48.00 |
| | 0.30 | 44.00 | 55.00 | 0.80 | 42.00 | 64.00 | 0.66 | 8.00 | 48.00 | 0.17 | 36.00 | 48.00 |
| | 0.30 | 32.00 | 55.00 | 0.58 | 39.00 | 64.00 | 0.61 | 9.00 | 48.00 | 0.19 | 30.00 | 48.00 |
| | 0.20 | 14.00 | 55.00 | 0.25 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| | | | | | | | 0.34 | 8.00 | 48.00 | 0.17 | 26.00 | 48.00 |
| 2000 | 0.40 | 22.00 | 55.00 | 0.40 | 22.00 | 64.00 | | | | | | 48.00 |
| 3 00 | 0.30 | 26.40 | 55.00 | 0.48 | 35.00 | | | 3,67 | | 0.08 | | |
| ## (*) | 0.07 | 11.78 | 0.00 | 0.21 | 7.97 | 0.00 | 0.12 | | 0.00 | | | 0.00 • 00.0 |
| | | CONTRACTOR AND AND AND AND AND AND AND AND AND AND | スペススススススススススス 日本 田田 サインバン | | Control of the Contro | | | | | | | |

| 1000 | | e e Marakia | ്ര ത്രിക്സ് കേരിൽ വിധാനം | e (§ 1904), 303/86V, 3 | ia maka samata | . (* 1000) | | Op. 18. Anterior | an ad friday. | . XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | - CA. |
|---------------|----------------|--------------|--------------------------|------------------------|-------------------|---------------|-------------|------------------|----------------------------|--|------------|
| Hallow | Abdominet | Organs | Sol id | Abdominat | Organs | | Right Ears | | (17.0 1988) (17.0 £ | Left Ears | |
| Score | Possible | Ratio | | Possible | Aatio | Score | Possible | tatio | Score | | |
| 5.00 | 48.00 | 0.10 | | 44.00 | | 3.00 | | | | | |
| 7.00 | 48.00 | 0.15 | | 44.00 | | 0.00 | | | 0.00 | | |
| 5.00 | 48.00 | 0.10 | | 44.00 | | | | | 0.00 | | 0.00 |
| 26.00 | 48.00 | 0.54 | | 44.00 | | | | | | | 0.00 |
| 7.00 | 48.00 | 0.15 | | 44.00 | | | | | | | |
| 9.00 | 48.00 | 0.21 | | | | | | | | | |
| 4.02 | 0.00 | 0.19 0.08 | | 0.00 | | 1.34 0.60 | | | 0.00 | | |
| 4206 | · | U.U. | 0,00 | | 9.00 | | 0.00 | 20.02 | 0.00 | 0.00 | |
| 5.00 | 48.00 | 0.10 | 4.00 | 44.00 | 0.09 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0.00 |
| 22.00 | 48.00 | 0.46 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | | 0.00 | 40.00 | 0.00 |
| 16.00 | 48.00 | 0.33 | | 44.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 40.00 | 0.00 |
| 8.00 | 48.00 | 0.17 | | 44.00 | | | | | | 40.00 | 0.10 |
| 22.00 | 48.00 | 0.46 | | 44.00 | | 0.00 | | | 4.00 | 40.00 | 0.10 |
| 14.60 | 48.00 | 0.30 | | 44.00 | | 21.80 | | | | | |
| 7.86 | 0.00 | 0,16 | | 0.00 | | 2.49 | | | | | 20,000 |
| 3.52 | 0.00 | 0,07 | 0.87 | 0.0 | 0,02 | | 0.00 | 0,03 | 0.98 | 0.00 | 0.02 |
| 24.00 | 48.00 | 0.50 | 7.00 | 44.00 | 0.16 | 2.00 | 40.00 | 0.05 | 0.00 | 40.00 | 0.00 |
| 20.00 | 48.00 | 0.42 | | 44.00 | 0.11 | 1.00 | | | 5.00 | 40.00 | 0.13 |
| 6.00 | 48.00 | 0.13 | | 44.00 | | 2.00 | | | 0.00 | 40.00 | 0.00 |
| 10.00 | 48.00 | 0.21 | 0.00 | 44.00 | | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 22.00 | 48.00 | 0.46 | | 44.00 | 0.07 | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 16.40 | 48.00 | 0.34 | 3.00 | 44.00 | | 1.00 | | 0.03 | 1.00 | 40.00 | 0.03 |
| 7.92 | 0.00 | | 3.08 | 0.00 | | 1.00 | | | 2.24 | 0.00 | |
| 3,54 | 0.00 | 0.07 | 1,38 | | ∞.‰ 0 . 03 | 0.45 | | 0,01 | | ************************************** | |
| | | | | | | | | | | | |
| 26.00 | 48.00 | 0.54 | 4.00 | 44.00 | 0.09 | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | | 44.00 | | 0.00 | | | 0.00 | 40.00 | 0.10 |
| 39.00 | 48.00 48.00 | 0.58 0.81 | 9.00 | 44.00 | 0.00 | 0.00 | | | 4.00 0.00 | 40.00 | 0.00 |
| 28.00 | 48.00 | 0.58 | | 44.00 | | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 29.00 | 48.00 | 0.60 | | 44.00 | | 0.00 | | | 0.80 | 40.00 | |
| 5.83 | 0.00 | 0.12 | | **** 0.00 | | 0.00 | | | 1.79 | 0.00 | |
| 2.61 | 0.00 | 0.05 | | 0.00 | | 0.00 | | | 0.80 | 0.00 | |
| T | | | | | | | 1 | | | | |
| 24.00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 18.00 | 48.00 | 0.38 | 4.00 | 44.00 | 0.09 | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | | 44.00 | 0.20 | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 24.00 | 48.00 | 0.50 | | 44.00 | | 0.00 | | | 0.00 | 40.00 | 0.00 |
| 22.80 | | | **** Z.60 | | | | | | | 40.00 | 0,00 |
| - | | | 3.97 | | | | | | | | 0.00 |
| 1.20 | 0.00 | 0.03 | 1,78 | 0.00 | 0,04 | | 0.00 | 0.02 | 0.00 | 0.00 | ******0,00 |
| 36.00 | 48.00 | 0.75 | 12.00 | 44.00 | 0.27 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 36.00 | 48.00 | | | 44.00 | | | | | | | |
| 30.00 | 48.00 | 0.63 | | 44.00 | | | | | | | |
| 24.00 | 48.00 | | | | | | | | | | |
| 26.00 | 48.00 | 0.54 | | | | 0.00 | | | | | |
| 30.40 | 48.00 | | 11.00 | | | | | | | 40.00 | 0:03 |
| 5.55 | 0.00 | | | 0.00 | | | | | 2.17 | | |
| ~ 2.48 | ···· 0.00 | 0.05 | 1990 4.47 | | <i>20.</i> 10 | *********0.97 | O.OO | 0.02 | ····· 0.97 | 0.00 | 0.02 |
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| Project: | 7791 | | | | | | | CONTRACTOR OF THE STATE OF THE | | |
|---|--|--|---|--------------------------|---|-------------------------|---|---|--|------------|
| Study | | | | | | Species | | MOS FE. | Range, ft | *% Cc |
| | 4/11/91 | | 141 | RSO | 39.8 | Sheep | 1361 | 4 | 4 | |
| | 4/25/91 | | 151 | <u> </u> | 41.8 | | 1361 | 4 | 4 | |
| | 5/14/91 | | 160 | <u> </u> | 41.6 | | 1361 | 4 | 4 | |
| | 5/22/91 | | 169 | <u> </u> | 40.7 | | 1361 | 4 | 4 | |
| | 6/6/91 | | 179 | | 43.6 | | 1361 | 4 | 4 | |
| HEAN | | South | NO PORTONO | | · · · 41.5 | er men de de | | | | |
| SD 1000000000000000000000000000000000000 | | W. 28 | 300 (300 og 60 Ag .) - | CONTRACTOR | 1.4 | 200 200 200 200 | | STANKE STANK | Contraction of the | N . |
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| | 4/11/91 | 1 | 142 | RSO | 37.5 | Sheep | 1361 | 4 | 7 | |
| | 4/25/91 | | 152 | I | 40.5 | <u> </u> | 1361 | 4 | 7 | |
| | 5/14/91 | | 161 | | 42.5 | | 1361 | 4 | 7 | |
| | 5/22/91 | | 170 | | 42.7 | | 1361 | 4_ | 7 | |
| | 6/6/91 | _ | 180 | f | 43.9 | | 1361 | 4 | 7 | |
| MEAN | | ** ********************************** | | | 41.4 | 247,070 | | | | 1 |
| SD | | a 4880 888 11.000 12. | 1800 1900 0000 AV | n Silvin Kilom ve | ····· 2.5 | · 300 00 00 | **** | | | 2.806.2 |
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| | | | 1 | [| 1 | | | | | |
| | 4/11/91 | 1 | 143 | RSO | 42.3 | Sheep | 1361 | 4 | 8 | |
| | 4/25/91 | | 153 | i | 40.5 | | 1361 | 4 | 8 | |
| | 5/14/91 | | 162 | | 41.1 | | 1361 | 6 | 8 | (|
| | 5/22/91 | | 171 | | 40.5 | 1 | 1361 | 4 | 8 | |
| | | | | | | | | | | |
| | | | | | 40.9 | | 1361 | 4 | 8 | |
| 1EAN | 6/6/91 | | 181 | | 40.9 | | 1361 | | | |
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| EAN | 7/1/91 7/9/91 7/24/91 7/31/91 8/8/91 7/1/91 7/9/91 7/24/91 7/31/91 8/8/91 7/1/91 7/9/91 7/9/91 7/9/91 7/24/91 7/31/91 8/8/91 | 1 1 | 181 182 191 202 211 218 184 193 200 209 219 219 183 192 201 210 220 | RSO | 41.1 0.7 0.3 40.7 40.5 40.5 42.3 45.5 41.9 2.1 1:0 45.0 45.5 39.5 40.7 39.5 42.0 2.1 45.1 40.7 | Sheep | 1361 113 113 113 113 113 113 113 | 4 4 4 6 4 4 4 4 4 4 4 | 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 2 4.2 4.2 4.2 | |
| EAN | 7/1/91 7/9/91 7/24/91 7/31/91 8/8/91 7/1/91 7/9/91 7/24/91 7/31/91 8/8/91 7/1/91 7/9/91 7/9/91 7/9/91 7/24/91 7/31/91 8/8/91 | 1 1 | 181 182 191 202 211 218 184 193 200 209 219 183 192 201 210 220 | RSO | 41.1 0.7 0.3 40.7 40.5 40.5 40.5 42.3 45.5 41.9 2.1 1:0 45.0 45.5 39.5 40.7 39.5 42.0 3.0 41.8 41.1 40.2 41.1 43.2 | Sheep Sheep Sheep | 1361 113 113 113 113 113 113 113 | 4 4 4 4 4 4 | 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 2 4.2 4.2 4.2 | |
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| 20100.00 | Charge, g. | HOB, ft. | Range, f | Config. | RL | e LL | TL. | ****** | LLP | ******* | fet/Sur | |
| Sheep | 1361 | 4 | 1 - 6 | C-1 | 441.50 | 340.00 | 781.50 | 1.11 | 0.85 | 1.96 | 2 | |
| | 1361 | 4 | 4 | C-1 | 392.50 | 270.50 | 663.00 | 0.94 | 0.65 | 1.59 | 2 | |
| | 1361 | 4 | 4 | C-1/2 | 443.00 | 296.50 | 739.50 | 1.06 | 0.71 | 1.78 | 1 | 1 |
| | 1361 | 4 | 4 | C-1/3 | 497.00 | 320.00 | 817.00 | 1.22 | 0.79 | 2.01 | 1 | 1 |
| | 1361 | 4 | 4 | C-1/4 | 312.00 | 187.00 | 499.00 | 0.72 | 0.43 | 1.14 | | +-7 |
| • 100 | | | 1000 | | 417.20 | 282.80 | 700.00 | 1.01 | 0.69 | 1.70 | | |
| | Video Colores | | | | 69.46 | 59.52 | 126.16 | 0.19 | 0.16 | 0.35 | | |
| | | | | | 31.07 | 26.62 | 56,42 | 0.09 | 0.07 | | | ** 1 |
| | | ĺ | (| | | T | 1 | 1 | 1 | 1 | | |
| Sheep | 1361 | 4 | 7 | C-1 | 318.00 | 388.00 | 706.00 | 0.85 | 1.03 | 1.88 | 2 | |
| | 1361 | 4 | 7 | C-1 | 256.50 | 264.00 | 520.50 | 0.63 | 0.65 | 1.29 | 1 1 | 1 |
| | 1361 | 4 | 7 | C-1/2 | 270.50 | 275.00 | 545.50 | 0.64 | 0.65 | 1.28 | 2 | |
| | 1361 | 4 | 7 | C-1/3 | 248.50 | 245.50 | 494.00 | 0.58 | 0.57 | 1.16 | 1 | 1 3 |
| | 1361 | 4 | 7 | C-1/4 | 252.50 | 241.00 | 493.50 | 0.58 | 0.55 | 1.12 | 2 | ╁╌ |
| | | | | | 269.20 | 282.70 | 351.90 | 0.66 | 0.69 | | | |
| | | | | | | ****** | 88.79 | 0.11 | 9.20 | 0.31 | | . |
| 2000 C | | | | | 12.75 | 27.04 | | 0,05 | | 0.14 | | |
| | | (| 1 | | | | | | | | **** | 3,550 S S S S |
| Sheep | 1361 | 4 | 8 | C-1 | 516.00 | 520,00 | 1036.00 | 1.22 | 1.23 | 2.45 | 2 | |
| | 1361 | 4 | 8 | C-1 | 380.00 | 281.00 | 661.00 | 0.94 | 0.69 | 1.63 | 2 | + |
| | 1361 | 4 | 8 | C-1/2 | 309.00 | 243,00 | 552.00 | 0.75 | 0.59 | 1.34 | 2 | + |
| | 1361 | 4 | 8 | C-1/3 | 220.00 | 242,50 | 462.50 | 0.54 | 0.60 | 1.14 | 2 | |
| | 1361 | 4 | 8 | C-1/4 | 350.00 | 253.00 | 603.00 | 0.86 | 0.62 | 1.47 | 2 | |
| | | | | C-1/4 | | 307.90 | 662.90 | 0.86 | 0.02 | | <u> </u> | |
| | 3 | 1.1.26 | | **** | | 119.60 | 220.94 | 0.25 | 0.27 | | | |
| 200000 | | ************ | | | 120°30 | | | | | ······ • • • • • • • • • • • • • • • • | \$20.58 \$ (5.40.00.00.00) | 000000000000000000000000000000000000000 |
| 7.00 CM | | | and the second second second | a a diliki ki ki ki ki ki a ma ma ma ma ki ki ki k | COCCURATE (***) | | | Contract Contract | | CONTROL OF THE PROPERTY. | **** | |
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| | 113 | | | 0.1 | | | | | | 0;23;*** | | A S |
| sheep | 113 | 4 | 3 | 0-1 | 244.00 | 169.00 | 413.00 | 0.60 | 0.42 | 1.01 | 1 | <u> </u> |
| | 113 | 4 | 3 3 | D-1 | 244.00 221.00 | 169.00 166.50 | 413.00 387.00 | 0.60 0.55 | 0.42 | 1.01 | 1 | 4 |
| | 113 113 | 4 4 | 3 3 3 | D-1/2 | 244.00 221.00 193.00 | 169.00 166.50 145.00 | 413.00 387.00 338.00 | 0.60 0.55 0.48 | 0.42 0.41 0.36 | 1.01 0.96 0.83 | 1 1 | 2 |
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| | 113 113 | 4 4 | 3 3 3 3 3 | D-1/2 | 244.00 221.00 193.00 274.50 232.00 | 169.00 166.50 145.00 197.00 173.00 | 413.00 387.00 338.00 471.50 405.00 | 0.60 0.55 0.48 0.65 0.51 | 0.42 0.41 0.36 0.47 0.38 | 1.01 0.96 0.83 1.11 0.89 | 1 1 1 | 4 2 1 1 1 1 |
| | 113 113 113 | 4 4 | 3 3 3 3 | D-1 D-1/2 D-1/3 | 244.00 221.00 193.00 274.50 232.00 232.90 | 169.00 166.50 145.00 197.00 173.00 | 413.00 387.00 338.00 471.50 405.00 | 0.60 0.55 0.48 0.65 0.51 | 0.42 0.41 0.36 0.47 0.38 | 0.25 // 1.01 0.96 0.83 1.11 0.89 | 1 1 1 1 | 2 2 1 1 1 1 2 2 |
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| 803 | Section 1999 | n a fan mygger | Morbidity | er i i e e e | 1906 a Clinic at 1999 | | grande e energia de la compania del compania del compania de la compania del compania de la compania de la compania del compania de la compania della compania della compania della compania della compania della compania della compania della compania della compania della compania della compania della compania della compania della compan | Morbidity | | Severity o | finjur | Adjusted |
|--------------|--|---|-----------|----------------------|-----------------------|---------------------|--|-------------------|-----------|------------|-----------------|----------|
| LP : | fat/Surv. | TOS, hrs. | | COD | Prietino. | Hemoper. | Hemother. | Coron.Air | Cereb.Air | Retios | lndex | Index |
| .96 | 1 2 | | 46- | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.67 | 5.35 | 5.10 |
| .59 | 1 2 | | 34 | 1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.74 | 7.48 | 7.48 |
| .78 | 1 1 | 3.50 | | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 3.12 | 4.12 | 4.12 |
| .01 | 1 | 4.00 | ļ | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.70 | 3.70 | 3.70 |
| .14 | 1 1 | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.87 | 2.87 | 2.87 |
| .70 | n this little best tipe | | 16 | | 0.0 | | 0.0 | G.D | 0.0 | 2.82 | 4.70 | 4.65 |
| .35 | 1 100 100 100 100 | | 8 | THE SEC | | 0.5 | 0.0 | 0.0 | 0.0 | | 1.79 | 1.77 |
| 16 | | 0.13 | . | | 0.0 | 0.2 | 0.8 | 0.0 | 0.0 | 0.08 | 0.80 | 0.79 |
| .88 | 2 | | 180 | 1 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 2.75 | 9.49 | 9.49 |
| 29 | 1 1 | 4.00 | 180 | ! | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.72 | 1.72 | 1.72 |
| 28 | 2 | 4.00 | 24 | 1 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 2.33 | 10.66 | 10.66 |
| .16 | + | 3.00 | | ' | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.78 | 2.78 | 2.78 |
| 12 | 2 | 3.00 | 120 | 07 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.05 | 6.10 | 6.10 |
| 35 | | 1 40 | 65 | | | | 0.0 | 0.0 | 0.0 | 2.13 | 6.15 | 6.15 |
| | | ****** | 79 | :: 0.22 | 0.0 | 1.1 | | 0.0 | | 0.42 | 3.95 | 3.95 |
| 14 | * 1 (A) (A) (A) (A) (A) (A) (A) (A) (A) (A) | 0.32 | | | 0.0 | 0.5 | 0.0 | 0.0 | | | 1.77 | |
| | 1 | | | | 1 | 1 | T | 1 | | | | |
| 45 | 2 | | 20 | 1 | 0.0 | 1.0 | 0.0 | 2.0 | 1.0 | 3.37 | 14.74 | 14.24 |
| 63 | 2 | | 13 | 1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 3.36 | 8.73 | 8.48 |
| .34 | 2 | | 10 | 1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.90 | 7.80 | 7.35 |
| 14 | 2 | | 3 | 1 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 2.35 | 10.70 | 10.45 |
| 47 | 2 | | 54 | 1 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 2.71 | 9.43 | 9.43 |
| .61 | · · · · · · · · · · · · · · · · · · · | \$40,00 0 00000000000000000000000000000000 | «» 20 | - XX | 0.0 | 1.6 | 0.0 | 0.4 | » 0.2 | 2.94 | 10.28 | 9.99 |
| 50 | | erine etaloluse lucia | 20 | g 1994 (gr. 1979) | | 1228 0.9 133 | 0.0 | 0.9 | × × 0.4 | . 0.44 | ×× 2.71 | 2.64 |
| 23 | * | | 9 | | 0.0 | 0.4 | 0.0 | 0.4 | ··· 0.2 | 0.20 | 300 1.21 | |
| | | | | | | | | | | | | |
| .01 | 1 | 4.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 0.08 | 0.08 |
| .96 | 1 | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.05 | 0.05 |
| <u>83</u> | 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.15 | 0.15 | 0.05 |
| .11 | 1 | 1.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 89 | 1 1 | 1.25 | | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.47 | 0.47 |
| 96 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | | 0.15 | |
| 11 | | 1.28 | | - <u>(186</u> | | 0.0 | | ··· 0.0 | 0.0 | 0.19 | | 0.19 |
| <u>.05 %</u> | | 0.57 | *** | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 80.08 | 0.09 |
| | + | 1 50 | | | | | | | | 0.30 | 0.20 | |
| .90 .98 | + | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.29 | 0.29 | 0.19 |
| 93 | + | 1.33 3.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.10 | 0.10 |
| 97 | + + | 2.00 | | | | | 0.0 | 0.0 | 0.0 | 0.23 | 0.23 | 0.23 |
| 99 | + ; | 3.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.28 | 0.28 | |
| | | 2.42 | | | 0.0 | 0.0 | | | 0.0 | 0.24 | | 0.28 |
| 04 | and a second | * 1 13 | | wada se | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | **0.08 | 0.22 |
| | | | | | | | 0.0 | | | 0.04 | | |
| | | | | | 1 | | | | | | | |
| 90 | 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.12 | 0.12 | 0.12 |
| .02 | - i - | 4.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.18 | 0.18 | 0.18 |
| .88 | | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.18 | 0.18 | 0.05 |
| .02 | 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.14 | 0.14 | 0.14 |
| .11 | 1 | 2.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.30 | 0.30 | 0.30 |
| | | | | 337 338 40.00 | | 0.0 | | | 0.0 | | | 0.16 |
| | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | | | | 0.0 | | 0.0 | 0.0 | 0.07 | ****0.07 | 0.09 |
| | W. W. Const. | | | | | 0.0 | | 0.0 | 0.0 | | | 0.04 |
| | | | | C 5985 0 00 0 0000 | | Sec. 1000. | 4 | The second second | | | | |

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| djusted | Even | 1 44 1 444 | المحمد المحادث المراجع والمحاود والمحادث | Mile and the first war. | | vicinia populari de la compania del compania del compania de la compania del la compania de la compania de la compania de la compania de la compania de la compania del la compania d | eria, magazaria (1866-1860) | A A A A A A | and the second second | | ************************************** |
|-------------|--------|---------------|--|-------------------------|----------------|--|-----------------------------|------------------|-----------------------|-----------|--|
| Index | | Lesions | * Ratio * | | rectures | | | Burns | | | ryroc/Lary x |
| 5.10 | 0.00 | 56.00 | | | Possible | _ Retio | Score | Possible | | . Score | |
| 7.48 | 0.00 | 56.00 | 0.001 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 |
| 4.12 | 0.00 | | | 0.00 | 24.00 | 0.00 | 11.00 | 52.00 | 0.21 | 14.00 | 60.00 |
| 3.70 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 18.00 | 60.00 |
| 2.87 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 16.00 | 60.00 |
| 4.65 | | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 12.00 | 52.00 | 0.23 | 22.00 | 60.00 |
| 1.77 | 0.00 | 54.00 | * 0.00 | 0.00 | 24.00 | 0.00 | 11.80 | \$2.00 | 0,23 | 18.40 | 60.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.01 | 3.58 | |
| 0.79 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.20 | 0.0G | 0.03 | 1,60 | 0.00 |
| 9.49 | 0.00 | 56.00 | 0.00 | 0.00 | 3/ 00 | 0.00 | | 52.00 | 0.00 | 14 00 | 40.00 |
| 1,72 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | | 0.00 | 16.00 | 60.00 |
| 10.66 | 0.00 | 56.00 | | 0.00 | 24.00 | | 0.00 | 52.00 | | 5.00 | 60.00 |
| 2.78 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 |
| 6.10 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 12.00 | 60.00 |
| 6.15 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 3.00 | 52.00 | 0.06 | 16.00 | 60.00 |
| 3.95 | 0.00 | 56.00 0.00 | 0.00 | 0.00 | 24.00 | 0.00 | . 0.60 | × 52.00 | 0.01 | 11.40 * | 60.00 |
| 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 4.55 | 2.18** | |
| | | 0.00 | 9.50 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.01 | 2.10. | 0.00 |
| 14.24 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 22.00 | 60.00 |
| 8.48 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 40.00 | 60.00 |
| 7.35 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | | | 0.06 | 7.00 | 60.00 |
| 10.45 | 0.00 | 56.00 | 0.00 | | | | 3.00 | 52.00 | 0.00 | 6.00 | 60.00 |
| 9.43 | 0.00 | 56.00 | | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | | | |
| 9.99 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 18.00 | 60.00 |
| 2.64 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | <u> </u> | 0.60 | 52.00 | | 18.60 | 60.00 |
| 1.18 | 0.00 | 0.00 | ······································ | × 0.00 | 0.00 | 0.00 | 1.34 | ··· 0.00 | 0:03 | ** 13.81* | 0.00 |
| 1,0 | · | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0 .00 | 0.01 | 6.18 | 0.00 |
| 0.08 | 0.00 | 56.00 | 0.00 | 0.00 | 3/ 00 | - 0.00 | | E3 00 | 0.00 | 0.00 | 40.00 |
| 0.05 | 0.00 | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| 0.05 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 0.47 | | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| 0.13 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 |
| 0.19 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 2,20 | *** 60.00 |
| 0.09 | 0.00 | 0.00 | 0.00 | *** 0.00 ··· | ~ 0 .00 | 0.00 | | 0.00 | 0.00 | 2.17# | |
| ·· U.U9 | 0.00 | 0.00 | 0.00 | 0.00 | <u> </u> | 0.00 | | 0.00 | 0.00 | 0.97 | 0.00 |
| 0.19 | 0.00 | 56 00 | | | | | | | | | |
| 0.10 | | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 |
| 0.10 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 0.23 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 |
| | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 |
| 0.28 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 |
| ··········· | » 0.00 | >6.00 * | ··· 0.00 | 0.00 | ** 24.DO | | | ≫.5Z.00 % | O. OO | 5.20mm | 60.00 |
| | | · 0.00 | 0.00 | | | | | | | | ···· 0.00 ··· |
| 0.03 | 0.00 | 0.00 | 0.00 | · 0.00 | | 0,00 | * 0.00 × | | 0.00 | 0.77 | 0:00 |
| | | | | | | | | <u> </u> | | | |
| 0.12 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 |
| 0.18 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| 0.05 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 0.14 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 |
| 0.30 | 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 60.00 |
| © 0.16 | 0.00 | 76.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | * 52.00 | O.OO | 2.60 | 60.00 |
| 0.09 | 0.00 | #0.00 | 9.00 | 0.00 | 0.00 | | | | 0.00 | 2.88 | 0.00 |
| 0.04 | 0.00 | 0.00 | | | | | | | 0.00 | 1.29 | *** 0.00 |
| - 1 - | | | | | | | | | | | |

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| K/Lary: x | | | Traches | | | Lungs | | Ng Mada Babili at a 1971 . | Heart | 100000 | · Hollow | Abdo |
|-----------|-------|----------|---------------------------------------|-------------|---------------|-----------------|-------|----------------------------|--------------------|--|--|--|
| sible | Ratio | Score | (************************* | Astio | Score | Possible | Ratio | Score | Possible | Ratio | Score | |
| 60.00 | 0.37 | 18.00 | 55.00 | 0.33 | 60.00 | 64.00 | 0.94 | 7.00 | 48.00 | 0.15 | 26.00 | |
| 60.00 | 0.23 | 20.00 | 55.00 | 0.36 | 56.00 | 64.00 | 0.88 | 5.00 | 48.00 | 0.10 | 36.00 | |
| 60.00 | 0.30 | 20.00 | 55.00 | 0.36 | 56,00 | 64.00 | 0.88 | 6.00 | 48.00 | 0.13 | 39.00 | |
| 60.00 | 0.27 | 18.00 | 55.00 | 0.33 | 56.00 | 64.00 | 0.88 | 6.00 | 48.00 | 0.13 | 42.00 | |
| 60.00 | 0.37 | 18.00 | 55.00 | 0.33 | 52.00 | 64.00 | 0.81 | 8.00 | 48.00 | 0.17 | 42.00 | |
| 60.00 | 0.31 | 18.80 | * 55.00 | 0.34 | 56.00 | 64.00 | 0.88 | 6.40 | 48.00 | 0.13 | 37.00 | |
| 0.00 | 0.06 | 1.10 | 0.00 | 0.02 | 2.83 | 0.00 | 0.04 | 1.14 | 0.00 | ×0.02 | 6.63 | W. |
| 0.00 | 0.03 | 0.49 | 0.03 | 0.01 | 1,26 | D.OG | 0.02 | * 0.51 | 0.00 | 0.01 | ··· 2.97 | |
| | | | | | | | | | | | | |
| 60.00 | 0.27 | 22.00 | 55.00 | 0.40 | 52.00 | 64.00 | 0.81 | 9.00 | 48.00 | 0.19 | 42.00 | |
| 60.00 | 0.08 | 12.00 | 55.00 | 0.22 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 39.00 | |
| 60.00 | 0.13 | 18.00 | 55.00 | 0.33 | 36.00 | 64.00 | 0.56 | 5.00 | 48.00 | 0.10 | 36.00 | |
| 60.00 | 0.20 | 7.00 | 55.00 | 0.13 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 24.00 | |
| 60.00 | 0.27 | 6.00 | 55.00 | 0.11 | 39.00 | 64.00 | 0.61 | 16.00 | 48.00 | 0.33 | 28.00 | Ĺ |
| 60.00 | 0.19 | 13.00 | 55.00 | 0.24 | | 64.00 | 0.64 | 6.00 | 48.00 | *0:13 | 33.80 | |
| 0.00 | 0.06 | 6.93 | | ··· 0.13 | 6. <u>2</u> 8 | 0.00 | 0_10 | 6.75 | 0.03 | 0.14 | × 7.56 | *** |
| 0.00 | 0.04 | 3,10 | 0.00 | ·· 0.06 | 2.81 | 0.00 | 0.04 | 3.02 | 0.00 | 0.06 | 3.36 | :::::::::::::::::::::::::::::::::::::: |
| | | | | | | | | | | | | |
| 60.00 | 0.37 | 40.00 | 55.00 | 0.73 | 60.00 | 64.00 | 0.94 | 9.00 | 48.00 | 0.19 | 39.00 | |
| 60.00 | 0.67 | 40.00 | 55.00 | 0.73 | 42.00 | 64.00 | 0.66 | 8.00 | 48.00 | 0.17. | 36.00 | |
| 60.00 | 0.12 | 36.00 | 55.00 | 0.65 | 36.00 | 64.00 | 0.56 | 5.00 | 48.00 | 0.10 | 26.00 | |
| 60.00 | 0.10 | 14.00 | 55.00 | 0.25 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 30.00 | |
| 60.00 | 0.30 | 24.00 | 55.00 | 0.44 | 42.00 | 64.00 | 0.66 | 8.00 | 48.00 | 0.17 | 39.00 | |
| 60.00 | 0.31 | 30.80 | 55.00 | 0.56 | 43.80 | 64.00 | 83.0 | 6.00 | 48.00 | | 34.00 | |
| 0.00 | 0.23 | 11.45 | ₩ 0.00 | 0.21 | 9.39 | 0.00 | 0.15 | 3.67 | 0.00 | ×0.08 | 5.79 | |
| 0.00 | 0.10 | <u> </u> | | 0.09 | <u> 4.20</u> | 0.00 | 0.07 | 1.64 | 0.00 | 0.03 | 2.59 | 30,49 |
| 60.00 | 0.00 | 0.00 | 55 00 | 0.00 | 0.00 | - 4/ 00 | 0.00 | 0.00 | 48.00 | 0.00 | | |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 4.00 | |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | | 0.00 | 55.00 | 0.00 | | 64.00 | 0.22 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.08 | 0.00 | 55.00 | 0.00 | 14.00 | 64.00 64.00 | 0.22 | 0.00 | 48.00 | 0.00 | 8.00 2.40 | e de combone de |
| 0.00 | 0.04 | 0,00 | \$5.00 ***0,00 | 0.00 | 2.80 6.26 | | ***** | 0.00 | 0.00 | 0.00 · | 2.40 3.58 | |
| 0.00 | 0.02 | | | | · 2.80 | | 0.10 | | 0.00 | **0.00 | *** 3.36 ***** 1.60 | Sec. 100 |
| | U.02 | 0.00 | 0.00 | | | u | | | ·················· | ······································ | | - Contraction |
| 60.00 | 0.07 | 0.00 | 55.00 | 0.00 | 4.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 3.00 | |
| 60.00 | 0.05 | 3.00 | 55.00 | 0.05 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.12 | 6.00 | 55.00 | 0.11 | 4.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.13 | 0.00 | 55.00 | 0.00 | 6.00 | 64.00 | 0.09 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.07 | 3.00 | 55.00 | 0.05 | 10.00 | 64.00 | 0.16 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | | Z.40 | | | | 88 64.00 | | | | 0.00 | | |
| 0.00 | | 2.51 | | | | 0.00 | | | | | | |
| 0:00 | S0.0 | 1.12 | O.OG | | | 0.00 | | | | 0.00 | | |
| | | | | | | | | | | | | ************ |
| 60.00 | 0.12 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.00 | 3.00 | 55.00 | 0.05 | 8.00 | 64.00 | 0.13 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.05 | 0.00 | 55.00 | 0.00 | 6.00 | 64.00 | 0.09 | 0.00 | 48.00 | 0.00 | 0.00 | |
| 60.00 | 0.00 | 0.00 | 55.00 | 0.00 | 3.00 | 64.00 | 0.05 | 5.00 | 48.00 | 0.10 | 7.00 | |
| | 0.04 | 0.60 | 35.00 | | 3.40 | 64.00 | 0.05 | 1.00 | 48.00 | 0.02 | 1.40 | |
| 0.00 | | 1.34 | 0.00 | | 3.58 | 0.00 | | 2.24 | 0.00 | 0.05 | 3,13 | |
| 0.00 | | | 0.00 | | 1.60 | | | | 0.00 | 0.02 | 1.40 | essenange essenance |
| | 7.00 | 7.00 | · · · · · · · · · · · · · · · · · · · | | <u></u> | 7.50 | | | 3,00 | | ······································ | 1.30 |

| and taken is | er Steere de | gjir jingigan | i i e erwerk 🚜 | a tyvittäänäjätä ta | riging (1. 1. little) | | iski, Şepanile e | nektrini sayakkan 1 | was in the second | Ostania (n. 180 | m - ja - Argendalijak |
|--------------|----------------|---------------|----------------|--|-----------------------|-----------|------------------|---------------------|-------------------------|--|-----------------------|
| | bdominet | | | Abdominal | | | Right Ears | | te problekt francisker. | Left Ears | 15 8 W. F. |
| ore : | Possible | | | Possible | Ratio | Score | | | | | |
| 5.00 | 48.00 48.00 | | | 44.00 | 0.00 | 5.00 | | | | | |
| 5.00 | 48.00 | | | 44.00 | 0.20 | 0.00 | | | | | |
| 2.00 | 48.00 | | | 44.00 | 0.41 | 0.00 | | | | | |
| 2.00 | 48.00 | | | 44.00 | 0.00 | 0.00 | | | | | |
| 7.00 | 48.00 | | 6.20 | 44.00 | 0.04 | 1.00 | | | | | 0.00 |
| 5.63 | 0.00 | | 7.56 | 0.00 | 0.17 | 2.24 | | | | | |
| 2.97 | 0.00 | | | 0.00 | 0.08 | 1.00 | | | | | |
| | | | | | | | | ĺ | 1 | | |
| 2.00 | 48.00 | 0.88 | 9.00 | 44.00 | 0.20 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 2.00 | 48.00 | 0.81 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | | |
| 5.00 | 48.00 | 0.75 | 20.00 | 44.00 | 0.45 | 0.00 | | 0.00 | 0.00 | 40.00 | |
| .00 | 48.00 | 0.50 | 15.00 | 44.00 | 0.34 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 3.00 | 48.00 | 0.58 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | | | 0.00 |
| .80 | 48.00 | 0.70 | 9.60 | 44.00 | 25.0 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 7.56 | 0.00 | 0.16 | 80.8 | 0.03 | 0.18 | 0.00 | | | | and the same of th | |
| 7.38 | -0.00 | 0.07 | 3.61 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | <u> </u> | 1 | |
| 2.00 | 48.00 | 0.81 | | 44.00 | 0.09 | 5.00 | | | | | |
| 5.00 | 48.00 | 0.75 | | 44.00 | 0.27 | 5.00 | | | | | |
| .00 | 48.00 | 0.54 | 28.00 | 44.00 | 0.64 | 4.00 | | | | | 0.13 |
| 0.00 | 48.00 | 0.63 | 28.00 | 44.00 | 0.64 | 0.00 | | | | | 0.13 |
| 2.00 | 48.00 | 0.81 | 15.00 | 44.00 | 0.34 | 0.00 | | | | | |
| .00 | 48.00 | 0.71 | 17.40 | 44.00 | 0.40 | 2.80 | | | | | 30.08 |
| .79 | 0.00 | 0.12 | 10.48 | 0.00 | 0.24 | 2.59 | | | | | |
| .59 | 0.00 | 0.02 | 4.69 | ······································ | ····> 0.11 | 1.16 | 0.00 | 0.03 | 1.22 | 0.00 | |
| - 00 | /9.00 | 0.08 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 00.0 | 48.00 48.00 | 0.08 | 0.00 | 44.00 | 0.00 | 0.00 | | | | | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 2.00 | | | | | 0.05 |
| 0.00 | 48.00 | | | 44.00 | 0.00 | 0.00 | | | | | |
| 3.00 | 48.00 | 0.17 | 0.00 | 44.00 | 0.00 | 0.00 | | | | | |
| .40 | 48.00 | 0.05 | 0.00 | 44.00 | 0.00 | 0.40 | | | | | |
| .58 | 0.00 | | | 0.00 | 0.00 | 0.89 | | | | | Q.02 |
| .60 | 0.00 | | | 0.00 | 0.00 | 0.40 | | | 0.40 | | 0.01 |
| | | | | | T T | | | | | | |
| .00 | 48.00 | 0.06 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 2.00 | 40.00 | 0.05 |
| 00.1 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 1.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 00.0 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | | | | 40.00 | 0.00 |
| .00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| .60 | 48.00 | | 0.00 | | | | | | 0.40 | *** 40.00 | 0.01 |
| .34 | 0.00 | 0.03 | 0.00 | ≫0.00 | | | 0.00 | | | 0.00 | 0.02 |
| 200 | 0.00 | 0.01 | 0.0G | 0.00 | O.OG | ···· 0.40 | 0.00 | 0.01 | 0.40 | 0.00 | 0.01 |
| | | | | | | | | <u> </u> | | | |
| 1.00 | 48.00 | | | | 0.00 | 0.00 | | | | | |
| .00 | 48.00 | | | | 0.00 | 0.00 | | | | | |
| .00 | 48.00 | | | | 0.00 | 0.00 | | | | | |
| 1.00 | 48.00 | | | | 0.00 | 0.00 | | | | | |
| 2.00 | 48.00 | | | | | 0.00 | 40.00 40.00 | | | | |
| .40 | 48.00 | | | | | | | | | | |
| 213 | 0.00 | | | 0.00 | 0.00 | 0:00 | | | | | 30.06 0.03 |
| .40 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | U.UU | 0.00 | | 1:00 | V.00 | |
| • | | | | | I | | <u> </u> | <u> </u> | <u> </u> | | |

| Project: | | JUNY LEX 3 | RVAC 9 | the first service section in the con- | | | | |
|--|---|--|---|--|--|---|--|---|
| Study | | Shot | Animel | Orient. | Bu., kg. | Species | Charge,g. | HOB, 1 |
| FY91 | 7/2/91 | 1 | 185 | RSO | 46.8 | Sheep | 227 | 4 |
| | 7/10/91 | | 194 | 1 | 45.2 | | 227 | 4 |
| | 7/25/91 | | 205 | 1 | 41.6 | | 227 | 4 |
| | 8/1/91 | | 214 | | 41.6 | | 227 | 4 |
| | 8/9/91 | | 221 | | 40.9 | | 227 | 4 |
| MEAN | | | | | 43.2 | | | MAL, SAM |
| | 1.450, 12.50 (1.60) | arroged de . | and with the feather | highes are substituted a | | | | |
| | | 39 () () () () () () () () () (| SA Maria A Reference | | | | | |
| | T T | | T | 1 | | | | |
| | 7/2/91 | 1 | 187 | RSO | 41.6 | Sheep | 227 | 4 |
| | 7/10/91 | | 196 | | 43.2 | | 227 | 4 |
| | 7/25/91 | | 203 | | 41.8 | | 227 | 4 |
| | 8/1/91 | | 212 | | 48.4 | | 227 | - 4 |
| | | | 222 | | 41.6 | | 227 | - |
| MERN. Not controls. | 8/9/91 | Kikke Same and a | | 1 | | | 221 | |
| | | | *** | | ****** | | | |
| <u>\$\$</u> | | | | | ** 2.9 ** 1.3 | | ***** | |
| <u>se</u> | | | e maken et en 1980 alle. | T | ne.pt. 4 -> -0.72 | · · · · · · · · · · · · · · · · · · · | * | CONTRACTO |
| | 7/2/01 | 1 | 186 | RSO | 40.9 | | 227 | , |
| | 7/2/91 | | 195 | KSU | 39.5 | Sheep | 227 | 4- |
| | 7/10/91 | | + | | | | | <u>_</u> |
| | 7/25/91 | | 204 | | 40.2 | | 227 | - 4 |
| | | | | | | | | 4 |
| | 8/1/91 | | 213 | ļ | 40.7 | | 227 | |
| 3) (% - (%) (% | 8/9/91 | | 223 | | 44.1 | | 227 | 4 |
| SE | 8/9/91 | | 223 | | 44.1 | r 1 3 3 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 227 | 4 |
| SE | 8/9/91 | | 223 | | 44.1 41.1 1.8 0.8 | | 227 | 4 |
| 26 20 | 7/3/91 | | 223 188 197 208 | | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 | | 227 *********************************** | 4 |
| SE | 7/3/91 7/11/91 | | 223 188 197 | | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 | | 227 *********************************** | 4 |
| 50 5E Fy91 | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 | | 223 188 197 208 | | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 | Sheep | 454 454 454 454 454 454 454 | 4 4 4 4 |
| 50 5E Fy91 | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 | | 223 188 197 208 217 | | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 | Sheep | 227 **** 454 454 454 454 454 | 4 4 4 4 |
| SD SE Fy91 | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 | 1 | 223 188 197 208 217 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 | Sheep | 454 454 454 454 454 454 | 4 4 4 4 4 |
| SD SE Fy91 | 7/3/91 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 | 1 | 223 188 197 208 217 224 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 | Sheep | 454 454 454 454 454 454 | 4 4 4 4 4 |
| 50 5E Fy91 TEAN | 7/3/91 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 | 1 | 223 188 197 208 217 224 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 | Sheep | 454 454 454 454 454 454 | 4 4 4 4 4 |
| 50 5E Fy91 TEAN | 8/9/91 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 | 1 | 223 188 197 208 217 224 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 | Sheep | 454 454 454 454 454 454 | 4 |
| SO SE Fy91 TEAN | 8/9/91 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 | 1 | 223 188 197 208 217 224 190 199 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 | Sheep | 454 454 454 454 454 454 454 454 | 6 6 6 |
| SO SE Fy91 TEAN | 8/9/91 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 | 1 | 223 188 197 208 217 224 190 199 206 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 |
| SD SE Fy91 MEAN | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/2/91 | 1 | 223 188 197 208 217 224 190 199 206 215 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/2/91 8/13/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 |
| SD SE FY91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/3/91 7/11/91 7/26/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 |
| SD SE FY91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/2/91 8/13/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/3/91 7/11/91 7/26/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/3/91 7/11/91 7/26/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/2/91 8/13/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE MEAN SD | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/13/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 42.3 43.9 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE MEAN SD | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/3/91 7/11/91 7/26/91 8/2/91 8/13/91 7/3/91 7/3/91 7/11/91 | 1 | 188 197 208 217 224 190 199 206 215 225 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 42.3 43.9 43.9 41.8 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 4 |
| SD SE Fy91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/11/91 7/26/91 8/13/91 7/11/91 7/3/91 7/11/91 7/3/91 7/11/91 7/26/91 | 1 | 188 197 208 217 224 190 199 206 215 225 189 198 207 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 1.2 9.6 43.9 41.8 42.0 | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 |
| SD SE FY91 MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/11/91 7/26/91 8/2/91 8/2/91 8/13/91 7/3/91 7/3/91 7/11/91 7/26/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 189 198 207 216 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 ************************************ | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 |
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| SD SE FY91 MEAN SD SE MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/11/91 7/26/91 8/13/91 7/11/91 7/26/91 8/13/91 7/11/91 7/26/91 8/2/91 8/2/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 189 198 207 216 226 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 42.3 43.2 44.1 40.7 41.8 44.1 42.3 42.3 43.2 43.2 44.1 44.1 42.3 43.2 43.2 44.1 44.1 44.3 44.1 45.3 45.6 46.7 47.8 | Sheep Sheep Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 |
| SD SE FY91 MEAN SD SE MEAN SD SE | 7/3/91 7/11/91 7/24/91 8/2/91 8/13/91 7/11/91 7/26/91 8/13/91 7/11/91 7/26/91 8/13/91 7/11/91 7/26/91 8/2/91 8/2/91 8/2/91 | 1 | 188 197 208 217 224 190 199 206 215 225 189 198 207 216 226 | RSO | 44.1 41.1 1.8 0.8 42.7 41.1 40.7 43.2 42.2 1.2 0.5 42.7 40.7 41.8 44.1 42.3 42.3 11.2 9.6 43.9 41.8 42.0 43.9 41.8 | Sheep Sheep Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 |

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| | | ta eta 11 akan 14a | | | | | 80.000.000.000 | Lung Weight: | | ri siyindi | | 300000000000000000000000000000000000000 |
|---------|---|--|---|---|---|---|--|--|--|--|---|---|
| | Species | - Charge,g. | HOS, ft. | Range, fi | Config. | RC ·· | · Lt | TL | RLP | Se LLP S | TLP | Fet/Sur |
| \perp | Sheep | 227 | 4 | 3 | D-1 | 248.00 | 163.00 | 411.00 | 0.53 | 0.35 | 0.88 | 1 |
| | | 227 | 4 | 3 | D-1 | 239.50 | 166.00 | 405.50 | 0.53 | 0.37 | 0.90 | 1 |
| Т | | 227 | 4 | 3 | D-1/2 | 251.00 | 180.00 | 431.00 | 0.60 | 0.43 | 1.04 | 1 |
| Т | | 227 | 4 | 3 | 0-1/3 | 282.50 | 200.00 | 482.50 | 0.68 | 0.48 | 1.16 | 1 |
| \top | | 227 | 4 | 3 | 0-1/4 | 257.00 | 189.00 | 446.00 | 0.63 | 0.46 | 1.09 | 1 |
| | erija (j. 1 | | 2.00 | | | 255,60 | 179.60 | 435.20 | 0.59 | | | 400 |
| 11.5 | | | | | | | | 30.98 | 0.07 | | × 0.12 | |
| ***** | ***** | | | | ***** | | | | ***** | | | |
| Т | | ************************************** | | 2000 (100 (100 (100 (100 (100 (100 (100 | - W | 7.29 | 6.95 | 13.86 | 0.03 | 0.03 | 0.05 | |
| + | Chan | - 337 | | | | | | | | <u> </u> | | |
| + | Sheep | 227 | 4 | 4 | <u> 0-1</u> | 262.00 | 184.50 | 446.50 | 0.63 | 0.44 | 1.07 | 1 |
| + | | 227 | 4 | 4 | D-1 | 260.00 | 192.00 | 452.00 | 0.60 | 0.44 | 1.05 | 1 |
| 4 | | 22.7 | 4 | 4 | D-1/2 | 280.00 | 241.50 | 521.50 | 0.67 | 0.58 | 1.25 | 1 |
| \perp | | 227 | 4 | 4 | D-1/3 | 252.00 | 190.50 | 442.50 | 0.52 | 0.39 | 0.91 | 1 |
| | | 227 | 4 | 4 | D-1/4 | 225.50 | 166.50 | 392.00 | 0.54 | 0.40 | 0.94 | 1 |
| | : # : # : | | 10.19 1 .000 | was grown as | | 255.90 | 195.00 | 450.90 | 0.59 | 0.45 | ** 1.04 | |
| | 1000 PT 90-90 | * | 40.00 | | | ***** | 27.90 | 46.22 | 0.06 | 0.08 | 0.13 | |
| ::::: | | | | | | 8.87 | 12.48 | 20.67 | | | 0.06 | |
| Т | | | | <u> </u> | | | 1 | | <u> </u> | | | Ť T |
| 1 | Sheep | 227 | 4 | 4.2 | D-1 | 222.50 | 161.00 | 383.50 | 0.54 | 0.39 | 0.94 | 1 |
| + | | 227 | 4 | 4.2 | | | | | | | | |
| ╅ | | 227 | | 4.2 | 0-1 | 226.00 | 155.50 | 381.50 | 0.57 | 0.39 | 0.97 | 1 1 |
| ╁ | | 227 | | | 0-1/2 | 305.50 | 204.00 | 509.50 | 0.76 | 0.51 | 1.27 | 1 |
| ╁ | | | - 4 | 4.2 | D-1/3 | 241.00 | 200.00 | 441.00 | 0.59 | 0.49 | 1.08 | 1 1 |
| 1 | | 227 | 4 | 4.2 | 0-1/4 | 265.50 | 204.00 | 469.50 | 0.60 | 0.46 | 1.06 | 1 1 |
| | edit glicke i transcer e e e e | | | Managar (1) | | 252.10 | 184.90 | 437.00 | 0.61 | 0.45 | ** 1:06 | () () () () () () () () () () |
| Ť | | | | | | 15.35 | 10.94 | 24.77 | 0.04 | 0.02 | ** G.06 | |
| Г | Sheep | 454 | 4 | 3 | D-1 | 287.00 | 150.00 | 437.00 | 0.67 | 0.35 | 1.02 | 1 |
| Т | | 454 | 4 | 3 | | | | | | | | |
| | | | | | 0-1 | 1 240.00 | 1 160.00 | 400.00 | 0.58 | | | + |
| \top | | 454 | | | D-1/2 | 240.00 | 160.00 | 400.00 607.50 | 0.58 | 0.39 | 0.97 | 1 |
| \mp | | 454 | 4 | 3 | D-1/2 | 409.00 | 198.50 | 607.50 | 1.00 | 0.39 | 0.97 1.49 | 1 |
| + | | 454 454 | 4 | 3 | D-1/2 D-1/3 | 409.00 371.00 | 198.50 217.00 | 607.50 588.00 | 1.00 0.86 | 0.39 0.49 0.50 | 0.97 1.49 1.36 | 1 |
| | | 454 | 4 | 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 | 198.50 217.00 203.00 | 607.50 588.00 588.00 | 1.00 0.86 0.89 | 0.39 0.49 0.50 0.47 | 0.97 1.49 1.36 1.36 | 1 1 1 |
| **** | | 454 454 454 | 4 | 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 | 198.50 217.00 203.00 185.70 | 607.50 588.00 588.00 524.10 | 1.00 0.86 0.89 0.80 | 0.39 0.49 0.50 0.47 | 0.97 1.49 1.36 1.36 | 1 1 1 |
| | X | 454 454 454 | 4 | 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 | 198.50 217.00 203.00 285.70 29.06 | 607.50 588.00 588.00 524.10 97.61 | 1.00 0.86 0.89 0.80 0.17 | 0.39 0.49 0.50 0.47 0.44 8.07 | 0.97 1.49 1.36 1.36 1.24 (6.23 | 1 1 1 |
| | *************************************** | 454 454 454 | 4 | 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 | 198.50 217.00 203.00 185.70 | 607.50 588.00 588.00 524.10 | 1.00 0.86 0.89 0.80 | 0.39 0.49 0.50 0.47 0.44 8.07 | 0.97 1.49 1.36 1.36 | 1 1 1 |
| | | 454 454 454 | 4 4 4 | 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 538.40 71.66 32.05 | 198.50 217.00 203.00 2185.70 29.06 13.00 | 607.50 588.00 588.00 524.10 97.61 43.65 | 1.00 0.86 0.89 0.80 0.17 | 0.39 0.49 0.50 0.47 0.44 0.07 | 0.97 1.49 1.36 1.36 1.24 (0.23 | 1 1 1 1 |
| | X | 454 454 454 454 | 4 | 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 | 198.50 217.00 203.00 2185.70 29.06 13.00 | 607.50 588.00 588.00 524.10 97.61 43.65 | 1.00 0.86 0.89 0.80 0.17 0.08 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 | 1 1 1 |
| | | 454 454 454 454 454 454 | 4 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 538.40 71.66 32.05 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 | 1.00 0.86 0.89 0.80 0.17 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 | 0.97 1.49 1.36 1.36 1.24 (0.23 | 1 1 1 1 |
| | | 454 454 454 454 454 454 454 | 4 4 4 4 4 | 3 3 3 4 4 4 4 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 | 198.50 217.00 203.00 2185.70 29.06 13.00 | 607.50 588.00 588.00 524.10 97.61 43.65 | 1.00 0.86 0.89 0.80 0.17 0.08 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 | 1 1 1 |
| | | 454 454 454 454 454 454 454 454 | 4 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 538.40 71.66 32.05 212.00 246.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 | 1.00 0.86 0.89 0.80 0.17 0.08 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 | 0.97 1.49 1.36 1.36 1.24 9.23 0.10 | 1 1 1 1 1 1 1 1 |
| | | 454 454 454 454 454 454 454 | 4 4 4 4 4 | 3 3 3 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 | 0.97 1.49 1.36 1.36 1.24 9.23 0.10 0.96 1.20 | 1 1 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 4 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 | 0.97 1.49 1.36 1.36 1.24 8:23 8:10 0.96 1.20 1.44 0.91 | 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 | 1 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.17 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 | 1 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 | 1 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 19.06 8.52 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.57 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 | 0.97 1.49 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.10 0.22 | 1 1 1 1 1 1 1 |
| | Sheep | 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 19.06 8.52 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.57 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 | 0.97 1.49 1.36 1.36 1.24 0.23 0:10 0.96 1.20 1.44 0.91 1.00 1.10 0.22 0.10 | 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 4 | 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 232.50 238.50 19.06 8.52 368.00 378.00 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.57 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 | 0.97 1.49 1.36 1.36 1.36 1.24 0.25 0.10 0.96 1.20 1.44 0.91 1.00 1.10 0.22 0.10 1.30 1.51 | 1 |
| | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 4 4 4 4 4 | 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 232.50 238.50 19.06 8.52 368.00 408.00 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 262.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 570.50 631.00 670.00 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.05 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.17 0.08 0.46 0.17 | 0.97 1.49 1.36 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.20 1.45 0.91 1.00 1.51 1.60 | |
| | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1/4 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 232.50 238.50 19.06 8.52 368.00 378.00 408.00 257.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 262.00 200.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 570.50 631.00 670.00 457.50 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.05 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 0.46 0.61 0.62 0.44 | 0.97 1.49 1.36 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.10 0.22 0.10 1.30 1.51 1.60 1.02 | |
| | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 | 4.2 4.2 4.2 4.2 | D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 19.06 8.52 368.00 408.00 257.50 222.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 262.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 570.50 631.00 670.00 457.50 442.50 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.05 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.17 0.08 0.46 0.17 | 0.97 1.49 1.36 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.20 1.45 0.91 1.00 1.51 1.60 | |
| | Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 4 4 4 4 4 4 4 4 4 4 2 4.2 4.2 4.2 4.2 | D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 238.50 19.06 8.52 368.00 378.00 408.00 257.50 222.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 262.00 200.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 570.50 631.00 670.00 442.50 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.05 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 0.46 0.61 0.62 0.44 0.55 | 0.97 1.49 1.36 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.10 0.22 0.10 1.30 1.51 1.60 1.02 | |
| | Sheep Sheep | 454 454 454 454 454 454 454 454 454 454 | 4 | 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 D-1 D-1 D-1 D-1/2 D-1/3 D-1/4 | 409.00 371.00 385.00 338.40 71.66 32.05 212.00 246.50 264.00 237.50 232.50 238.50 19.06 8.52 368.00 408.00 257.50 222.50 257.50 257.50 | 198.50 217.00 203.00 185.70 29.06 13.00 198.00 240.00 338.00 166.00 188.50 226.10 68.06 30.44 202.50 253.00 262.00 200.00 220.00 | 607.50 588.00 588.00 524.10 97.61 43.65 410.00 486.50 602.00 403.50 421.00 464.60 83.63 37.40 570.50 631.00 670.00 442.50 | 1.00 0.86 0.89 0.80 0.17 0.08 0.50 0.61 0.63 0.54 0.55 0.55 0.05 0.05 0.05 0.05 | 0.39 0.49 0.50 0.47 0.44 0.07 0.03 0.46 0.59 0.81 0.38 0.45 0.54 0.17 0.08 0.46 0.61 0.62 0.44 0.55 | 0.97 1.49 1.36 1.36 1.36 1.24 0.23 0.10 0.96 1.20 1.44 0.91 1.00 1.20 1.45 0.22 0.10 1.30 1.51 1.60 1.02 1.11 | |

| | TOS, hrs. | TOD, min. COD | Prietano. | | | | Cereb Air | Retios | | Adjusted Index |
|--|--|---------------|--|--|--|--|--|---|--|--|
| 1 | 1.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.831 | 0.83 | 0.83 |
| 1 | 1.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.61 | 0.61 |
| 1 | 1.00 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 0.77 | 0.67 |
| 1 | 3.25 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 0.43 | 0.43 |
| 1 | 2.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.74 | 0.74 | 0.74 |
| | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.68 | 0.66 |
| 989463 cc | | | Ø.Q. | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | | 0.15 |
| 8880.88 : | 0.41 | | | 0.0 | 0.0 | | 0.0 | | ** 0.07 . | 0.07 |
| | T | | | 1 | 1 | 1 | | | | 47.5. |
| 1 | 3.75 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.38 | 0.38 | 0.38 |
| 1 | 3.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.70 | 0.70 |
| 1 | 2.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 0.43 | 0.43 |
| 1 | 1.00 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.69 | 0.69 | 0.69 |
| 1 | 1.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 0.46 | 0.46 |
| ******* | 2.45 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.53 | 0.53 |
| | 1.20 | | ∞ 0.0 | 0.0 | | 0.0 | 0.0 | ***** | 0.15 | 0.15 |
| | | | | | | 0.0 | 0.0 | | 0.07 | 0.07 |
| | | | 0.0 | 0.0 | | 0.0 | U.U | 0.07 | W.V.DA | V.U/ |
| 1 | 2.00 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 (1) | 0.41 | 0 /4 |
| i | 2.75 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.50 | 0.41 | 0.41 |
| 1 | 3.50 | | | + | | | | | | |
| . | 2.25 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.72 | 0.72 |
| $\frac{\cdot}{1}$ | 3.75 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.70 | 0.60 |
| *********** | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.57 | 0.57 | 0.57 |
| eroodooolee a | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | ··*0.58 | 0.54 |
| | 0.34 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.13 0.06 | 0:13 0:06 | 0.14 0.06 |
| | | | | | | | | | | |
| • | 1.00 | | | | | | | | | |
| 1 | 1.00 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.81 | 1.81 | 1.68 |
| 1 | 1.50 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.17 | 1.17 | 1.09 |
| 1 | 1.50 2.75 | | 0.0 | 0.0 | 0.0 0.0 | 0.0 | 0.0 | 1.17 | 1.17 | 1.09 1.73 |
| 1 1 1 | 1.50 2.75 4.50 | | 0.0 0.0 0.0 | 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 1.17 1.73 1.80 | 1.17 1.73 1.80 | 1.09 1.73 1.80 |
| 1 | 1.50 2.75 4.50 1.50 | | 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 | 1.17 1.73 1.80 1.69 | 1.09 1.73 1.80 1.57 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 | | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 | 1.17 1.73 1.80 1.69 | 1.09 1.73 1.80 1.57 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 | | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 | 1.17 1.73 1.80 1.69 | 1.09 1.73 1.80 1.57 1.57 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 | | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 | 1.17 1.73 1.80 1.69 | 1.09 1.73 1.80 1.57 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 | | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 | 1.17 1.73 1.80 1.69 1.64 0.27 | 1.09 1.73 1.80 1.57 1.57 0.28 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 | 1.17 1.73 1.80 1.69 1.64 0:27 0:12 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 |
| 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 |
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| 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 2.25 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 |
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| 1 1 1 1 1 1 1 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 | 1.17 1.73 1.80 1.69 1.64 0.12 0.12 1.76 1.77 1.89 2.25 1.69 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 |
| 1 1 1 1 1 1 1 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 | 1.17 1.73 1.80 1.69 1.64 0.12 0.12 1.76 1.77 1.89 2.25 1.69 | 1.09 1.73 1.80 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 |
| 1 1 1 1 1 1 1 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 1.21 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 2.25 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 2.25 1.69 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 |
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| 1 1 1 1 1 1 1 1 1 1 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 1.21 9.54 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 2.25 2.25 2.169 1.36 1.36 1.29 1.51 | 1.17 1.73 1.80 1.69 1.64 0.12 0.12 1.76 1.77 1.89 2.25 1.69 1.87 0.22 0.10 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 0.14 1.36 1.24 1.51 |
| 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 1.21 0.54 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 2.25 0.25 0.11 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 2.25 1.69 1.32 0.22 0.10 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 0.14 1.36 1.24 1.51 |
| 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 1.21 0.54 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 2.25 0.25 0.11 1.36 1.29 1.51 1.19 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 2.25 1.69 1.32 0.22 0.10 1.36 1.29 1.51 1.19 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 0.14 1.19 1.57 |
| 1 | 1.50 2.75 4.50 1.50 2.25 1.41 0.63 3.75 4.00 1.25 1.75 3.00 2.75 1.21 0.54 1.50 2.75 4.00 3.00 4.50 3.15 | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 1.25 1.69 2.5 0.11 1.36 1.29 1.51 1.19 1.57 | 1.17 1.73 1.80 1.69 1.64 0.27 0.12 1.76 1.77 1.89 2.25 1.69 1.32 0.22 0.10 1.36 1.29 1.51 1.19 | 1.09 1.73 1.80 1.57 1.57 0.28 0.13 1.64 1.67 1.64 2.25 1.44 1.73 0.31 0.14 1.36 1.24 1.51 |

| | 8 5 | | | e to the same | | 3.4 | 1 1.50 | | 7.4 : | | |
|-------|------------|-------|-----------|---------------|-----------------|---------|----------|--------------|------------|---------------|----------|
| Exter | el Lesions | | San San A | Fractures | eriga yakan yak | 1000 cm | Burns | a suakwety v | i maka Phi | eryrox/Lary x | |
| Score | Possible | Astio | Score | Possible | Ratio | Score | Possible | Ratio | Score | Possible | Ra |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 9.00 | 52.00 | 0.17 | 5.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 | <u> </u> |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.0C | 0.00 | 6.00 | 52.00 | 0.12 | 4.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 3.00 | 52.00 | 0.06 | 4.20 | 60.00 | 0 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.24 | 0.00 | 0.08 | 0.84 | 0.00 | C |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.04 | 0.37 | 0.00 | 0 |
| | | | | | | | | | | | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 | c |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 8.00 | 60.00 | c |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | -c |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | c |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 | 0 |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | · 6.00 | 60.00 | 0 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | C |
| | | | | | | | | | | | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 3.00 | 60.00 | 0 |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 7.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 4.00 | 60.00 | 0 |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 3.00 | 52.00 | 0.06 | 4.00 | 60.00 | 0 |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 52.00 | 0.00 | 5.00 | 60.00 | |
| 0.00 | 56.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.60 | 52.00 | 0.01 | 4.60× | 60.00 | 0 |

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Index 0.83 0.61 0.67 0.43 0.74 0.66 0.15 0.07 0.38 0.70 0.43 0.69 0.46 0.53 0.15 0.07 0.41 0.37 0.72 0.60 0.57 0.54 0.14 0.00 0.00 0.00 0.00 0.00 1.34 0.00 0.03 ×1.52 × 0.00 0.00 ō 0.06 0.00 ... 0.00 0.00 0.00 0.00 0.60 0.00 0.01 0.68 0.00 0 1.68 0.00 0.00 0.00 24.00 0.00 8.00 52.00 0.15 18.00 60.00 56.00 0 1.09 0.00 0.00 0.17 56.00 0.00 0.00 24.00 9.00 52.00 7.00 60.00 ō 1.73 0.00 9.00 52.00 8.00 0.00 0.00 0.00 0.17 60.00 56.00 24.00 0 1.80 0.00 0.00 0.00 24.00 0.00 10.00 52.00 0.19 7.00 60.00 56.00 0 1.57 0.00 0.00 7.00 24.00 0.29 9.00 52.00 0.17 3.00 60.00 56.00 0 1.57 0.00 · 8.60 ··· 56.00 0.00 1.40 24.00 0.06 9.00 52.00 0.17 60.00 Ō. 0.28 0.00 3.13 0.13 0.71 0.00 ---5.59***** 0.00 0.00 0.00 0.01 0.00 0 0.13 0.00 1.40 0.32 0.00 0.01 ×2.50× 0.00 0.00 0.00 0.00 0.06 0. 1.64 0.00 56.00 0.00 0.00 24.00 0.00 8.00 52.00 0.15 20.00 60.00 ō 1.67 0.00 56.00 0.00 0.00 24.00 0.00 0.00 52.00 0.00 18.00 60.00 Ō. 1.64 0.00 14.00 0.00 24.00 0.00 52.00 0.10 60.00 56.00 0.00 5.00 Ō. 2.25 0.00 56.00 0.00 0.00 24.00 0.00 6.00 52.00 0.12 4.00 60.00 0. 1.44 0.00 24.00 0.00 0.00 0.00 9.00 52.00 0.17 7.00 60.00 56.00 0. 1.73 0.00 12.60 *** 60.00 56.00 0.00 0.00 24,00 0.00 5.60 % 5Z.00 0.11 Ō. 0.31 0.00 0.00 × 0.00 0.00 3.51 0.00 0.07 6.91 0.00 0.00 0.00 ×××× 0. 3.09 *** ** 0.00 0.14 0.00 0.00 *** 0.00 1.57 0.00 0.03 0.00 **..... 0.00** ... O.OG 0. 1.36 0.00 0.00 0.00 24.00 0.00 8.00 52.00 0.15 6.00 60.00 56.00 Ō. 1.24 0.00 56.00 0.00 0.00 24.00 0.00 0.00 52.00 0.00 6.00 60.00 0. 1.51 0.00 0.00 52.00 0.15 8.00 60.00 0.00 24.00 0.00 8.00 56.00 Ō. 1.19 0.00 0.00 0.00 24.00 8.00 52.00 0.15 8.00 60.00 56.00 0.00 Ō. 1.57 0.00 52.00 0.15 16.00 56.00 0.00 0.00 24.00 0.00 8.00 60.00 Ō. 1.37 0.00 56.00 0.00 0.00 24.00 0.00 6.40 52.00 0.12 · 8.80 · 8.8 ₩0. 0.17 0.00 4.15 3.58 0.00 0.07 0.00 Ō. 0.00 0.00 0.00 0.00 0.00 0.07 0.00 0.00 0.00 0.00 0.00 0.00 1.60 0.03 1.85 0.00 0.00 **₩0.**

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|--------|--|--------|------------------------|--------------------|--------------|---------------------|----------------------------|-------|----------|-----------------|--------------|-------------|
| Lary x | 1 - 1 31 - 41 3 5 | | Traches | | 0.46300.4000 | | | | Heart | - 1900au - 1000 | | Abdominei |
| ible | Ratio | Score | Possible | Ratio | | Possible | Ratio | Score | Possible | Ratio | Score | Possible |
| 0.00 | 0.08 | 0.00 | 55.00 | 0.00 | 5.00 | 64.00 | 0.08 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| 0.00 | 0.08 | 5.00 | 55.00 | 0.09 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 12.00 | 48.00 |
| 0.00 | 0.07 | 0.00 | 55.00 | 0.00 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.05 | 0.00 | 55.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 48.00 | 0.00 | 18.00 | 48.00 |
| 0.00 | 0.07 | 0.00 | 55.00 | 0.00 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | | 48.00 |
| 0.00 | 0.07 | 1.00 | 55.00 | 0.02 | 8.20 | 64.00 | 0.13 | 0.00 | | | 4.34 | 0.00 |
| 0.00 | 0.01 | 2.24 | 0.00 | 0.04 | 5.50 | 0.00 | 0.09 | 0.00 | 0.00 | | 1.94 | 0.00 |
| 0.00 | 0.01 | 1.00 | 0.00 | 20.02 | 2.46 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | * ** ** *** |
| 0.00 | 0.17 | - E 00 | | | 10.00 | 64.00 | 0.16 | 0.00 | 48.00 | 0.00 | 0.00 | 48.00 |
| 0.00 | 0.13 | 5.00 | 55.00 | 0.09 | 10.00 | | 0.06 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.13 | 5.00 | 55.00 | 0.09 | 4.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 5.00 | 48.00 |
| 0.00 | 0.08 | 3.00 | 55.00 | 0.05 | 12.00 | 64.00 | 0.19 | 3.00 | 48.00 | 0.06 | 12.00 | 48.00 |
| 0.00 | 0.08 | 3.00 | 55.00 55.00 | 0.11 | 8.00 | 64.00 | 0.13 | 0.00 | 48.00 | 0.00 | 7.00 | 48.00 |
| 0.00 | 0.10 | 4.40 | 55.00i | 0.03 | 9.20 | 64.00 | 0.14 | 0.60 | 48.70 | 0.01 | | 48.00 |
| 8.00 | -0.03 | 1.34 | 0.00 | 0.02 | 3.35 | 0.00 | 0.05 | 1.34 | 0.00 | 0.03 | 7.60 | 0.00 |
| 0.00 | 0.01 | 0.60 | 0.00 | 0.02 | 1.50 | 0.00 | 0.02 | 0.60 | 0.00 | 0.01 | | 0.00 |
| 9.00 | 0.01 | 0.00 | 0.00 | 0.01 | 1.30 | 0,00 | V. | | | | | |
| 0.00 | 0.05 | 0.00 | 55.00 | 0.00 | 14.00 | 64.00 | 0.22 | 7.00 | 48.00 | 0.15 | 0.00 | 48.00 |
| 0.00 | 0.12 | 5.00 | 55.00 | 0.09 | 4.00 | 64.00 | 0.06 | 0.00 | 48.00 | 0.00 | 5.00 | 48.00 |
| 0.00 | 0.07 | 6.00 | 55.00 | 0.11 | 24.00 | 64.00 | 0.38 | 0.00 | 48.00 | 0.00 | 8.00 | 48.00 |
| 0.00 | 0.07 | 0.00 | 55.00 | 0.00 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 14.00 | 48.00 |
| 0.00 | 0.08 | 5.00 | 55.00 | 0.09 | 12.00 | 64.00 | 0.19 | 0.00 | 48.00 | 0.00 | 10.00 | 48.00 |
| 0.00 | 0.08 | 3.20 | 55.00 | 0.06 | 13.20 | 64.00 | | 1.40 | 48.0G | 0.03 | 7.40 | |
| 0.00 | 0.03 | 2.95 | | 0.05 | | 0.00 | | 3.13 | 0.00 | | 5. 27 | |
| 0.00 | 0.01 | 1,32 | 0.00 | 0.02 | 3,20 | 0.00 | 0.05 | 1.40 | 0.00 | | 2.36 | 0.00 |
| | 0.0. | | 0.00 | | 3,20 | 0.00 | | | | | | |
| 0.00 | 0.30 | 3.00 | 55.00 | 0.05 | 27.00 | 64.00 | 0.42 | 8.00 | 48.00 | 0.17 | 28.00 | 48.00 |
| 0.00 | 0.12 | 4.00 | 55.00 | 0.07 | 20.00 | 64.00 | 0.31 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.13 | 6.00 | 55.00 | 0.11 | 44.00 | 64.00 | 0.69 | 6.00 | 48.00 | 0.13 | 24.00 | 48.00 |
| 0.00 | 0.12 | 10.00 | 55.00 | 0.18 | 32.00 | 64.00 | 0.50 | 0.00 | 48.00 | 0.00 | 39.00 | 48.00 |
| 0.00 | 0.05 | 5.00 | 55.00 | 0.09 | 27.00 | 64.00 | 0.42 | 0.00 | 48.00 | 0.00 | 26. | 48.00 |
| 0.00 | 0.14 | 5.60 | 55,00 | 0.10 | 30.00 | 64.00 | 0.47 | 2.80 | | 0.06 | 27.40 | 48.00 |
| 0.00 | 0.09 | 2.70 | 0.00 | 0.05 | 8.92 | 0.00 | 0.14 | 3,90 | 0.00 | 0.08 | 7.13 | 0.00 |
| 0.00 | 0.04 | 1.21 | 0.00 | 50.02 | 3.99 | 0.00 | 0.06 | | 0.00 | 0.04 | - 3.19 | 0.00 |
| | | **** | | 5.00 | | | | | | | | |
| 0.00 | 0.33 | 5.00 | 55.00 | 0.09 | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | 26.00 | 48.00 |
| 0.00 | 0.30 | 18.00 | 55.00 | 0.33 | 36.00 | 64.00 | 0.56 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.23 | 6.00 | 55.00 | 0.11 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| 0.00 | 0.07 | 5.00 | 55.00 | 0.09 | 18.00 | 64.00 | 0.28 | 0.00 | 48.00 | 0.00 | 28.00 | 48.00 |
| 0.00 | 0.12 | 6.00 | 55.00 | 0.11 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 24.00 | 48.00 |
| 0.00 | ***** | | \$5.00 | | 31.20 | | 0.49 | 0.00 | 48.00 | 0.00 | 26.40 | 48.00 |
| 0.00 | | | 0.00 | | *** 8.11 · | | 0.13 | 0.00 | 0.00 | 0.00 | 2.97 | O.O |
| 0.00 | 0.05 | 2.51 | 0.00 | | ~ 3.6Z | | 0,06 | 0.00 | 0.00 | 0.00 | 1,33 | · 0.00 |
| | 1 | | | 1 | | 1 | | T. | | | | |
| 0.00 | 0.10 | 5.00 | 55.00 | 0.09 | 30.00 | 64.00 | 0.47 | 0.00 | 48.00 | 0.00 | 26.00 | 48.00 |
| 0.00 | 0.10 | 6.00 | 55.00 | 0.11 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.13 | 4.00 | 55.00 | 0.07 | 39.00 | 64.00 | 0.61 | 0.00 | 48.00 | 0.00 | 26.00 | 48.00 |
| 0.00 | 0.13 | 6.00 | 55.00 | 0.11 | 18.00 | 64.00 | 0.28 | 0.00 | 48.00 | 0.00 | 20.00 | 48.00 |
| 0.00 | 0.27 | 5.00 | 55.00 | 0.09 | 33.00 | 64.00 | 0.52 | 0.00 | 48.00 | 0.00 | | 48.00 |
| | 0.15 | 5.20 | | | 31.80 | | | 0.00 | | 0.00 | 23.60 | 48.00 |
| 0.00 | 0.07 | 0.84 | | 0.02 | 8.64 | 0.00 | 0,14 | 0.00 | 0.00 | 0.00 | | 0.00 |
| 0.00 | 0.03 | 0.37 | | | 3.87 | 0.00 | 0.06 | 0.00 | | | | |
| | ~ ~ • • • • • • • • • • • • • • • • • • • | | | CONTRACTOR A PARTY | | | | | | | | |

| 101104 1 | Abdominat Org | | Solid A | odominat Or | Care | | Right Ears | 10 ja 8 3. | | Left Ears: | 1 - SAMBARA A |
|--------------|---|-------------------|--------------|--------------|-------|-------|---------------|-------------------|-------|------------|---------------|
| Score | | * facto | Score | Possible | Aatio | Score | Possible | Ratio | Score | Possible | Retio |
| 24.00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 12.00 | 48.00 | 0.25 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 20.00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 4.00 | 40.00 | 0.10 |
| 18.00 | 48.00 | 0.38 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 18.00 | 48.00 | 0.38 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 18.40 | 48.00 | 0.38 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.80 | 40.00 | 0.02 |
| 4.34 | | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | ∞ 0.04 |
| 1.94 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | D.OZ |
| | | | | | | | | | | | |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 20.00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 12.00 | 48.00 | 0.25 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 7.00 | 48.00 | 0.15 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 8.80 7.60 | 0.00 | 0.18 | 0.60 | 44.00 | 0.01 | 0.00 | 40.00 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | 0.16 | 1.34 0.60 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | | 0.80 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 5.00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 8.00 | 48.00 | 0.17 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 14.00 | 48.00 | 0.29 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 4.00 | 40.00 | 0.10 |
| 10.00 | 48.00 | 0.21 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 7.40 | 48.0G | ···· 0.15 | 0.00 | 44.00 | | 0.00 | 40.00 | 0.00 | 1,80 | 40.00 | 0.05 |
| 5.27 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.06 |
| 2.36 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | |
| | | | | | | | Ī | | | | |
| 28.00 | 48.00 | 0.58 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 20.00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 3.00 | 40.00 | 0.08 |
| 24.00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 39.00 | 48.00 | 0.81 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 26.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 27.40 | *************************************** | ***0.57 ** | | 44.00 | 0.00 | 0.00 | 40.00 | ≫ 0.00 | 2.60 | 40.00 | ***0.07 |
| 7.13 | 0.00 | 0.15 | 0.00 | 0.00 | 0.0B | 0.00 | ···· 0.00 | 0.00 | 2.51 | 0.00 | 0.06 |
| 3.19 | 0.00 | 0.07 | 0.00 | 0.0.o. | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | ××.0.03 |
| 14 00 | / 0 00 | - 25: | | - // 00 | 2.00 | | (0.00 | 0.00 | | (0.00 | - 0 17 |
| 0.00 | 48.00 | 0.54 | 3.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 5.00 | 40.00 | 0.13 |
| 4.00 | 48.00 48.00 | 0.42 | | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 10.00 | 40.00 | 0.25 |
| 8.00 | 48.00 | 0.58 | 5.00 | 44.00 | 0.11 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 4.00 | 48.00 | 0.50 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 10.00 | 40.00 | 0.25 |
| 4.40 | | | 3.00 | | | | 40.00 | | 5.80 | | 0.15 |
| 2.97 | | 0.06 | | 0.00 | | | 0.00 | | 4.27 | 0.00 | |
| 1.33 | 0.00 | | 0.84 | 0.00 | 0.02 | | 0.00 | 0.00 | 1.91 | | 0.05 |
| | 1 | 1 | | 1 | | 1 | 1 | T | | | <u></u> |
| 6.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 2.00 | 40.00 | 0.05 |
| 5.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 0.00 | 48.00 | 0.42 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 6.00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0.00 |
| 3.60 | 179/147767 | 0.49 | 0.80 | 44.00 | \$0.0 | 0.00 | . 40.00 | 0.00 | 0.40 | 40.00 | 0.01 |
| 3.29 | | 0.07 | 1.79 | 0,00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.02 |
| 1.47 | 0.00 | 0.03 | 0.80 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.01 |
| | 1 | | i | i i | [| Ĭ. | 1 | i | 1 | 1 | |

| | PA I RUL | OGY YOR | CSHEET | Sugar Steen | se entre | i Mijar i G igeral | <u>te jaj sagtinah j</u> |
|--|---|-----------------------------|--|---|--|---------------------------|--|
| roject: | FY91 : | COMPLEX | WAVES | Maria Maria | Harry March | 39 - 3 00 000 | 2000 JAKA 1280A |
| Study | Date | Shot | Animal | Orient. | Bu. kg | Species | Charge, g. |
| | 9/4/91 | 1 | 228 | RSO | 45.5 | Sheep | 1361 |
| | 9/5/91 | | 230 | | 41.6 | | 1361 |
| ··· | 9/9/91 | | 233 | | 40.9 | | 1361 |
| | 9/10/91 | | | | 41.4 | -} - | 1361 |
| | | | 235 | 0.0010.000 | | | |
| EAN | | der state (6) | Transport and with this | % | | | 200 Marie 1 |
| | *** | State Sept. | | | | 1.1.100 | 20 (20 (Marie 1940) |
| E. 2000 - 1900 | | ** X . X | | CONTRACTOR OF THE | 1.1 | | |
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| | 9/4/91 | 1 | 229 | LSO | 45.5 | Sheep | 1361 |
| | 9/5/91 | | 231 | | 42.3 | | 1361 |
| | 9/9/91 | | 232 | | 40.9 | | 1361 |
| | 9/10/91 | | 234 | | 19.9 | | 1361 |
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| | 9/11/91 | 1 | 237 | FACE-ON | 40.7 | Sheep | 1361 |
| | 9/12/91 | | 239 | | 42.5 | | 1361 |
| | 9/16/91 | | 240 | | 45.5 | | 1361 |
| | 9/17/91 | | 242 | | 48 | | 1361 |
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| | 0(11.00) | | | 7000 | /1 / | 04550 | 4344 |
| | 9/11/91 | 1 | 236 | BACK-ON | 41.4 | SHEEP | 1361 |
| | 9/12/91 | | 238 | | 42 | | 1361 |
| | 9/16/91 | | 241 | | 45.5 | | 1361 |
| | 9/17/91 | | 243 | : : | 47.7 | 1 | 1361 |
| | 7/1//71 | | | | | | 1.501 |
| EAN | 77.771 | | | | 44.2 | | |
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| | 77.1771 | | | | 44.2 | | |
| 3 | , <i>2002</i> 1 | | | | * 44,2 3.0 | | |
| D | | 1 | | 45 RIGHT | 3.0 1.5 | Sheep | |
|) | 9/19/91 | 1 | 245 | 45 RIGHT | 44.2 3.0 1.5 43.2 | Sheep | 1361 |
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| AN | 9/19/91 | 1 | 245 | 45 RIGHT | 44.2 3.0 1.5 43.2 45.7 44.5 | Sheep | 1361 |
| AN D | 9/19/91 | 1 | 245 | 45 RIGHT | 44.2 3.0 1.5 43.2 45.7 44.5 | Sheep | 1361 |
| AN D | 9/19/91 | 1 | 245 | 45 RIGHT | 44.2 3.0 1.5 43.2 45.7 44.5 | Sheep | 1361 |
| AN: | 9/19/91 10/7/91 | 1 | 245 | | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 | | 1361 |
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| S E E AN | 9/19/91 10/7/91 9/19/91 | | 245 247 244 | | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 | | 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 | 1 | 245 247 247 244 244 246 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 44.4 | Sheep | 1361 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 | 1 | 245 247 247 244 244 246 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 | Sheep | 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 | 1 | 245 247 247 244 244 246 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 | Sheep | 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 | 1 | 245 247 247 244 246 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 | Sheep | 1361 1361 1361 1361 |
| EAN EAN D | 9/19/91 10/7/91 9/19/91 10/7/91 | 1 | 245 247 247 244 246 248 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 | Sheep | 1361 1361 1361 1361 |
| EAN EAN D | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 247 244 246 248 248 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 | Sheep | 1361 1361 1361 1361 |
| AN AN | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 244 244 246 248 248 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 | Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN AN | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 247 244 246 246 248 248 249 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 | Sheep | 1361 1361 1361 1361 1361 1361 |
| AN | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 247 244 246 246 248 248 249 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 | Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
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| AN | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 244 246 248 249 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 E | Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 | 1 | 245 247 247 244 246 248 249 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 & | Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN AN | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 7/6/90 9/12/90 | 1 | 245 247 244 246 248 249 MBINED CON 1 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 & 45.5 37.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN AN AN AN AN AN AN AN AN AN AN AN AN A | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 7/6/90 9/12/90 | 1 | 245 247 247 244 246 248 249 MBI HED COM 1 1 42 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 & 45.5 37.5 38.0 | Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| EAN DE LEAN DE | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 10/21/91 7/6/90 9/12/90 9/12/90 12/19/90 | 1 | 245 247 244 246 248 249 MBINED CONI 1 42 43 114 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 2 45.5 37.5 38.0 39.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| EAM DE EA | 9/19/91 10/7/91 9/19/91 10/7/91 10/7/91 10/21/91 10/21/91 10/21/91 10/21/91 10/21/91 2/7/90 9/12/90 9/12/90 12/19/90 2/7/91 | 1 | 245 247 244 246 248 249 MBINED CONI 1 42 43 114 134 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.3 42.3 42.4 44.4 2.9 2.1 45.2 43.9 44.6 0.7 FY90 & 45.5 37.5 38.0 39.5 36.1 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| EAN DE LEAN DE | 9/19/91 10/7/91 9/19/91 10/7/91 10/21/91 10/21/91 10/21/91 7/6/90 9/12/90 9/12/90 12/19/90 | 1 | 245 247 244 246 248 249 MBINED CONI 1 42 43 114 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.8 1.3 42.3 46.4 44.4 2.9 2.1 45.2 43.9 44.6 0.9 0.7 FY90 2 45.5 37.5 38.0 39.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| EAN DE LEAN DE | 9/19/91 10/7/91 9/19/91 10/7/91 10/7/91 10/21/91 10/21/91 10/21/91 10/21/91 10/21/91 2/7/90 9/12/90 9/12/90 12/19/90 2/7/91 | 1 | 245 247 244 246 248 249 MBINED CONI 1 42 43 114 134 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.3 42.3 46.4 44.6 2.9 2.1 45.2 43.9 44.6 0.7 FY90 & 45.5 37.5 38.0 39.5 36.1 38.0 44.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| EAN DE LEAN DE | 7/6/90 9/19/91 10/7/91 10/7/91 10/7/91 10/21/91 10/21/91 10/21/91 10/21/91 2/7/91 4/12/91 6/3/91 | 1 | 245 247 244 246 248 249 MBI NED CON I 1 42 43 114 134 144 172 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.3 42.3 46.4 44.6 2.9 2.1 45.2 43.9 44.6 0.7 FY90 & 45.5 37.5 38.0 39.5 36.1 38.0 44.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN AN | 7/6/90 9/19/91 10/7/91 10/7/91 10/7/91 10/21/91 10/21/91 10/21/91 10/21/91 2/7/90 9/12/90 9/12/90 12/19/90 2/7/91 6/3/91 8/20/91 | 1 | 245 247 244 246 248 249 MBI NED CON I 1 42 43 114 134 144 172 227 | 45 LEFT | 44.2 3.0 1.5 43.2 45.7 44.5 1.3 42.3 46.4 44.6 2.9 2.1 45.2 43.9 44.6 0.7 FY90 & 45.5 37.5 38.0 39.5 36.1 38.0 44.5 44.5 | Sheep Sheep Sheep Sheep | 1361 1361 1361 1361 1361 1361 |
| AN | 7/6/90 9/19/91 10/7/91 10/7/91 10/7/91 10/21/91 10/21/91 10/21/91 10/21/91 2/7/91 4/12/91 6/3/91 | 1 | 245 247 244 246 248 249 MBINED CON1 1 42 43 114 134 144 172 227 280 | RSO RSO | 44.2 3.0 1.5 43.2 45.7 44.5 1.3 42.3 46.4 44.6 2.9 2.1 45.2 43.9 44.6 0.7 FY90 & 45.5 37.5 38.0 39.5 36.1 38.0 44.5 | Sheep Sheep LUNGS WERE | 1361 1361 1361 1361 1361 1361 |

| 99.5 | and a Market A. | (maraka 1871 | | | roambogstary | | nijs (Color Delek) | gase geologi. | | 10.14 3 0.4. | | | 11.5 |
|---------------|---------------------|--|------------------|---------------|--|--------------------------|--------------------|----------------------------------|-----------------|---------------------|-----------------|--------------------------|---|
| me | | di ini ugang kacala. | | ture of Te | | | · ** | | Lung Weight | | | 348.38.35.44. 34.44.4 | |
| mt. | Bw., kg. | Species | | | | Config. | RL | LL | 7C | RLP | LLP | TLP | F |
| <u>:0</u> | 45.5 | Sheep | 1361 | 4 | 4 | FF.ORIEN | 313.50 | 175.00 | 488.50 | 0.69 | 0.38 | 1.07 | + |
| | 41.6 | | 1361 | 4 | 4 | | 325.00 | 159.50 | 484.50 | 0.78 | 0.38 | 1.16 | |
| | 40.9 | | 1361 | 4 | 4 | | 321.50 | 173.00 | 494.50 | 0.79 | 0.42 | 1.21 | |
| | 41.4 | | 1361 | 4 | 4 | | 329.50 | 158.00 | 487.50 | 0.80 | 0.38 | 1.18 | ا ــــــــــــــــــــــــــــــــــــ |
| % | 42.4 | Succession of the second | | | | | 322.38 | 166.38 | 488.75 | 0.77 | 0.39 | 1.16 | -5-5 |
| 1 1 at | 2.1 | unda kööle al-akkuja d | ti. Other design | | | | 6.76 | 8.86 | 4:19 | 0.05 | Ø.02 🗽 | 0.06 | |
| 196.90 | 3.5. 1.1 588 | | | | 5- 25 9000 w | | 3.38 | 4.43 | 2.10 | 0.03 | 0.01 | ···· 0.03 | 91.86 |
| | | | | | 1 | | | | <u> </u> | <u> </u> | | | |
| 0 | 45.5 | Sheep | 1361 | 4 | 4 | FF.ORIEN | 232.00 | 218.20 | 450.20 | 0.51 | 0.48 | 0.99 | |
| | 42.3 | | 1361 | 4 | 4 | | 235.00 | 216.00 | 451.00 | 0.56 | 0.51 | 1.07 | T |
| | 40.9 | | 1361 | 4 | 4 | | 244.50 | 231.50 | 476.00 | 0.60 | 0.57 | 1.16 | T |
| | 40.9 | | 1361 | 4 | 4 | | 239.00 | 231.50 | 470.50 | 0.58 | 0.57 | 1.15 | \top |
| . 1411 | 42.4 | **** ******************************** | | | | ÷ | 237.63 | 224.30 | 461.93 | 0.56 | 0.53 | 1.09 | |
| esta late | 2.2 | | | | | | 5.41 | 8.36 | 13.27 | Ø.04 | 0.05 | g.08 | |
| (A) | 1.1 | | | | | | 2.70 | 4.18 | 6.64 | ··· 0.02 | | ··· 0.04 | *** |
| 1 | | | | | l | | | | | | I | | \top |
| -ON | 40.7 | Sheep | 1361 | 4 | 4 | FF.ORIEN | 239.00 | 172.50 | 411.50 | 0.59 | 0.42 | 1.01 | 1 |
| | 42.5 | | 1361 | 4 | 4 | | 237.00 | 178.00 | 415.00 | 0.56 | 0.42 | 0.98 | + |
| | 45.5 | ······································ | 1361 | | 1 4 | | 262.00 | 191.00 | 453.00 | 0.58 | 0.42 | 1.00 | + |
| | 48 | | 1361 | | 4 | ~ | 237.50 | 152.50 | 390.00 | 0.49 | 0.32 | 0.81 | + |
| 455 BAS | 44.2 | Sign Signapor i i se | | - - | <u> </u> | | 243.88 | 173.50 | 417.38 | 0.56 | 0.40 | | AND: |
| - 10 mm | | | | *** | | | 12,11 | 16.01 | 26.20 | 0.05 | 0.05 | | |
| | | | | | | | 6.06 | 8.00 | 13.10 | 0.02 | 0.02 | | |
| | | | | | * | | | | 1 | V. V. | 1 | 1 | |
| | 41.4 | CHECO | 1741 | | | SE OBJEN | 742.00 | 191.00 | 553.00 | 0.87 | 0.46 | 1.34 | ┿ |
| ON | 42 | SHEEP | 1361 | 4 | 4 | FF.ORIEN | 362.00 | 255.00 | 886.50 | 1.50 | | | +- |
| | | | 1361 | | | | 631.50 | | | | 0.61 | 2.11 | ᅪ |
| | 45.5 | | 1361 | 4 | 4 | | 322.50 | 219.50 | 542.00 | 0.71 | 0.48 | 1.19 | +- |
| Secretary Sec | 47.7 | | 1361 | • | . • | The second second second | 345.00 | 241.50 | 586.50 | 0.72 | 0.51 | 1.23 | 30.000 |
| | × 44.2 | | | | | | 415.25 | 226.75 | | | ···· 0.52 ··· | | |
| | | | | | | | %145.07 | 27.97 | 164.09 | 0.37 | @.07## | Q.43 | |
| ***** | 1.5 | | | | 1 | | 72.54 | 13.98 | 82.05 | U. 19 | ∞0.03∞ | 0.22 | **** |
| | | | | | ļ | | | | | 4 22 | | 4 54 | +- |
| GHT | 43.2 | Sheep | 1361 | 4 | 4 | FF. ORIEN | 423.00 | 166.50 | 589.50 | 0.98 | 0.38 | 1.36 | +- |
| | 45.7 | | 1361 | 4 | . 4 | | 439.50 | 195.00 | 634.50 | 0.96 | 0.43 | 1.39 | |
| | 44.5 | | ** | | | | × 431.25 | ** 180.7 5 | | 0.97 | | ***1.38 | 2000 |
| | 1.8 | | | | | *** | 11.67 | 20.15 | 31.82 | 9.01 | *** D. C4**** | ****D.02 ** | ***** |
| ***** | 1.3 | | | | | | 8.25 | 14.25 | 22.50 | 0.01 | 0.02 | 0.01 | 2000 |
| | | | | | | | | | | | ļ | | \bot |
| EFT | 42.3 | Sheep | 1361 | 4 | 4 | FF.ORIEN | 292.50 | 294.00 | 586.50 | 0.69 | 0.70 | 1.39 | ┵ |
| | 46.4 | | 1361 | 4 | 4 | | 246.50 | 286.00 | 532.50 | 0.53 | 0.62 | 1.15 | ┸ |
| | 44.4 | | 4.4 | | | | 269.50 | 290.00 | 559.50 | | ∞≈0.66 ∞ | | <i>2</i> # (|
| 7 × (4) | × 2.9 | | 1141111 | | | | 32 <i>.</i> 53 | ∞∞5.66 ⋯ | 38.18 | 0.11 | 0.06 | | 1000 |
| (A) (A) | 2.1 | | *** | *** | | | 23.00 | ~ 4.00 | ×27.00 | ‱ 0.08 ∵ | 0.04 | × 0.12 × | 130 |
| | | | | | | _ | | | | | | | |
| | 45.2 | Sheep | 1361 | 4 | 8 | FF.ORIEN | 256.00 | 185.00 | 441.00 | 0.57 | 0.41 | 0.98 | T |
| | 43.9 | | 1361 | 4 | 8 | | 213.50 | 152.00 | 365.50 | 0.49 | 0.35 | 0.83 | \top |
| | 44.6 | | 400 | | | | | 168,50 | | 0.53 | 0.38 | 0.91 | |
| Section . | | | | | | | 30.05 | | 53.39 | _ | 0.04 | D.11 | <i>W</i> |
| Alle. | | | | | | | 21.25 | | 37.75 | | 0.03 | 0.07 | |
| A | | | | | | | 49 | | | | | | _ |
| 1 | 45.5 | Sheep | | | T | | 216.00 | 162.00 | 378.00 | 0.47 | 0.36 | 0.83 | 7 |
| | 37.5 | F | | | | | 200.00 | 140.00 | 340.00 | 0.53 | 0.37 | 0.91 | \top |
| | | LUNGS WERE | DISEASED | - | | | 302.00 | | ×542.00 | | 0.63 | | * |
| | 39.5 | | | | | ~f | 208.00 | 160.00 | 368.00 | 0.53 | 0.41 | 0.93 | 7 |
| | 36.1 | | | | | ~ | 210.00 | 157.00 | 367.00 | 0.58 | 0.43 | 1.02 | + |
| | 38.0 | | | | | | 222.00 | 166.50 | 388.50 | 0.58 | 0.44 | 1.02 | +- |
| | 44.5 | | | | | ~ | 205.00 | 146.00 | 351.00 | 0.46 | 0.33 | 0.79 | + |
| | 44.1 | | | | | | 251.00 | 180.50 | 431.50 | 0.57 | 0.41 | 0.98 | +- |
| | 38.2 | | | | | | 254.00 | 189.00 | 443.00 | 0.66 | 0.49 | 1.16 | + |
| L | 30./ | | 1 | | L | | | | | | | | ******* |
| | | 000000000000000000000000000000000000000 | 990999999999999 | | Commence of the Contract of th | The second second second | 220 24 | 6000 4 74 4 74 000 | XXXX 194 (| | AND COLUMN | 0000000000 A GAR. A-1-V | |
| | 40.2 | | | | | | 229.78 33.30 | 171.22 29.96 | 401.00 62.97 | 0.57 0.10 | 0.43 | 0.96 0.12 | |

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| | | | Morbidity | | NO. 1 1000 | er i de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de La compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compa | · · · · · · · · · · · · · · · · · · · | Morbidity | in a garaga a garaga a garaga a garaga a garaga a garaga a garaga a garaga a garaga a garaga a garaga a garaga | Severity of | Injue | Adjus |
|---|--|----------|--|------------------|------------|---|--|----------------|--|------------------|-----------------|--------------------|
| TLP | fat/Surv. | TOS bes | 700,min. | coo | Pneumo. | Hemoper. | | | | Ratios | Index | 1r |
| 1.07 | 1 1 | 1.25 | 100 jmilit | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.03 | 3.03 | |
| 1.16 | | 3.00 | | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.19 | 3.19 | 3 |
| 1.21 | 1 | 1.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.50 | 2.50 | |
| 1.18 | 1 | 3.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.47 | 1.47 | |
| 1.16 | eget _{al} ar√ i este | | | and a large | 0.0 | 0.5 | O.O | . 0,0 | 0.0 | 2.05 | ~ 2.55 | 2 |
| 0.06 | | | ******** | 400 (4 C) (2 C) | O.D | | 0.0 | 0.0 | G.D | . 0.43 | 0.78 | 0 |
| × 0.03 | 1.08 395 55 | 0.5 | Ya: | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.21 | 0.39 | C |
| T | | Į. | | | | | | | | | | |
| 0.99 | 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,11 | 1.11 | |
| 1.07 | 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.06 | 1.06 | 1 |
| 1.16 | 1 | 3.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.23 | 1.23 | 1 |
| 1.15 | 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 1.38 | : |
| 1.09 | | | ****** | | | ···· 0.0 ··· | | 0.0 | | 1.20*** | | - |
| 0.05 | | | ** 4 | | | | | | | 0.14 | | |
| 0.04 | ************************************** | 0.5 | | *** | ‱ 0.0 ∞ | ··· 0.0 | ** * O.O. ** | 7.0 | O.O | 0.07 | 0.07 | <u> </u> |
| | <u> </u> | <u> </u> | | | | | | ļ | | | | |
| 1.01 | 1 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.93 | 2.93 | |
| 0.98 | | 1.50 | _ | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.17 | 2.17 | |
| 1.00 | 1 | 3.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.85 | 2.85 | |
| 0.81 | 1 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.12 | 2.12 | |
| | | | | | 0.0 | | . 0.0 | 0.0 | 0,0 | 2.52 | 2.52 | |
| | | | | | | | ···· 0.0 | 0.0 | 0.0 | * 0.43 <u>*</u> | ····0.43 | |
| 0.05 | 1.08.000000000 | 0.5 | Section (1) | | | 0.0 | 10.0 | 0.0 | 0.0 | 0.22 | 0.22 | . 0 |
| | | | ļ <u></u> | | | | | | | | 0.30 | |
| 1.34 | | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 0.79 | |
| 2.11 | ! | 3.00 | | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.88 | 2.88 | |
| 1.19 | | 2.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.08 | 1.08 | — <u> </u> |
| | 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | | 1.19 | | |
| | | | | | | 0.5 | | 0.0 | | 0.47 | 0.96 | |
| | | | | | | | * 0.0 | 0.0 | 0.0 | 0.24 | | |
| V.EE | T | | T T | | V.U | V.J | , 0. u | V. U. | 0.0 | | | ***** |
| 1.36 | 1 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.88 | 1.88 | |
| 1.39 | | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.27 | 1.27 | ; |
| | 1 | | | *** | | | 0.0 | 1 | | 1.57 | | 33/88-1 |
| | *** | | | | | D.G | | 0.0 | | ** 0,43 * | | - |
| | | | | | | 0.0 | | 0.0 | | 0.30*** | | |
| 1 | | | | | | | | | | | | |
| 1.39 | 1 | 3.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.14 | 1.14 | 0 |
| 1.15 | 1 1 | 1.50 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.00 | |
| 1.27 | | | | | | | | | | 1.07 | | 76 1/4 O |
| | | **** | ****** | | | | | ******* | ******** | 0.10 | | 0 |
| | | | | | | | | | | 0.07 | | 0 × × 0 |
| 1 | T T | | I | | | | | | | | | |
| 0.98 | 1 | 1.25 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0 . ت | 0.16 | 0.16 | 0 |
| 0.83 | 1 | 2.75 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.39 | 0.39 | 0 |
| | | 2.0 | *** | ·*** | | ··· 0.0 | 0.0 | | ·· 0.0 | »0.27 | 0.27 | ***** O |
| 0.11 | | 1.1 | Statistan i siyar | janjaja – radias | 0.0 | 0.0 | *** O.G | 0.0 | 0.0 | 0.16 | 0.16 | 0 |
| | · · · · · · · · · · · · · · · · · · · | | 88. A. S | | | 0.0 | 0.0 | 0.0 | | 0.11 | 0.11 | |
| | war war war o | | | | | | 1 | | | | | ## W |
| 0.83 | 1 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0 |
| 0.91 | 1 | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0 |
| 111111111111111111111111111111111111111 | | 2.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0 |
| 0.93 | 1 | 1.00 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.11 | 0.11 | 0 |
| 1.02 | 11 | <u> </u> | <u> </u> | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0 |
| 1.02 | 1 | 1.00 | <u> </u> | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.05 | 0 |
| 0.79 | 1 | 1.50 | <u> </u> | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.24 | 0.24 | 0 |
| 0.98 | 1 | 1.00 | <u> </u> | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0 |
| 1.16 | 1 | 1.75 | 1 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.07 | 0.07 | 0 |
| 0.96 | | | | | 0.0 | D.G | | | | 0.05 % | | |
| 0.12 | | | | 10000 | 0.0 | **** 0.0 | ** 0.0 *** | 0.0 | 0.0 | # 0.08 | ₩ ₩ 0.08 | <u></u> |
| 0.04 | | | | | O | 0.0 | 0.0 | 0.0 | | 0.03 | × 0.03 | <u> 2388 x 0</u> . |
| | | | | | | | | | | | | |

| YTOL/La | Pha | | Burns | | | ractures | | ******** | al Lesions | | Adjusted :: | |
|--|------------------|---------|----------|-------|--|----------|-------|-------------|-------------|-------------|-------------|----------|
| Possib | Score | Ratio | Possible | Score | Ratio | Possible | Score | Aatio | Possible - | | Index | Index |
| 60. | 18.00 | 0.17 | 52.00 | 9.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 3.03 | 3.03 |
| 60. | 8.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 3.19 | 3.19 |
| 60. | 44.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.50 | 2.50 |
| 60. | 7.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.47 | 1.47 |
| ా టె. | | 0.16 | 52.00 | 8.25 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.55 | 2.55 |
| ··· 0. | 17.23 | 0.01 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.78 | 0.78 |
| · · 0. | ≫8.62 | . 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.39 |
| | | | | | | | | | | | | |
| 60. | 6.00 | 0.17 | 52.00 | 9.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.86 | 1.11 |
| 60. | 8.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.06 | 1.06 |
| 60. | 8.00 | 0.17 | 52.00 | 9.00 | 0.00 | 24.00 | 0.00 | 0.11 | 56.00 | 6.00 | 1.23 | 1.23 |
| 60. | 14.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.38 | 1.38 |
| ట. | 9.00 | 0_16 | 52.00 | 8.50 | 0.00 | 24.00 | 0.00 | 0.03 | 56.00 | 1.50 | 1.13 | 1.20 |
| | 3.46 | | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 3.00 | 0.22 | 0.14 |
| ······ 0. | 1.73 | 0.01 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 1.50 | 0.11 | 0.07 |
| | | | | | | | | | | | · | <u> </u> |
| 60. | 16.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.11 | 56.00 | 6.00 | 2.33 | 2.93 |
| 60. | 40.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.12 | 2.17 |
| 60. | 20.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.25 | 2.85 |
| 60. | 20.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.12 | 2.12 |
| 60. | 24.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.03 | 56.00 | · 1.50 | 2.21 | 2.52 |
| O. | ** 10,83 | 0:00.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 3.00 | 0.10 | 0.43 |
| · 0. | × 5.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 1.50 | 0.05 | 0.22 |
| | | | | | | | 1 | | | 1 | | |
| 60. | 3.00 | 0.17 | 52.00 | 9.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.79 | 0.79 |
| 60. | 4.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 2.88 | 2.88 |
| 60. | 4.00 | 0.13 | 52.00 | 7.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.98 | 1.08 |
| 60. | 0.00 | 0.13 | 52.00 | 7.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.02 | 1.02 |
| · 60. | 2475 | 0.15 | 52.00 | 7.75 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | O.OC | 1.42 | 1.44 |
| | 1.89 | 0.02 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | · 0.98 | 0.96 |
| 0. | 0.95 | 0.01 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.48 |
| | | | | | | | | | | | | |
| _60. | 3.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.75 | 1.88 |
| 60. | 3.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 1.27 | 1.27 |
| 60: | 3.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | | 1.51 | 1.57 |
| O. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.43 |
| O | | 0.00 | * U.OO | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.30 |
| | | | | | | | | | | | | |
| 60. | 5.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.77 | 1.14 |
| 60. | 14.00 | 0.15 | 52.00 | 8.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.95 | 1.00 |
| | 9.50 | 0.15 | \$2.00 | 8.00 | 0.00 | × 24.00 | 0.00 | 0.00 | | 0.00 | 0.86 | 1.07 |
| **** | **** 6.36 | | **** | | | 0.00 | | | | | 0.13 | 0.10 |
| O. | ××× 4.50 | 0.00*** | 0.00 | | | 0.00 | | | | | 0.09 | |
| | | | | T | 1 | | | | | | | |
| 60. | 6.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.16 | 0.16 |
| 60. | 5.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.36 | 0.39 |
| | | | 52.00 | 0.00 | 0.00 | | | 0.00 | | | | 0.27 |
| 0.0 | 0,71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.16 |
| | 0.50 | | | 0.00 | 0.00 | | 0.00 | | 0.00 | 0.00 | 0.10 | 0.11 |
| w. 90 % | | 4.538 | | | | 0.00 | | | | | | |
| 60. | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 0.00 |
| 60. | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 0.00 |
| 60. | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 0.00 |
| 60. | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.11 | 0.11 |
| 60.1 | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 0.00 |
| 60. | 3.00 | 0.00 | 52.00 | 0.00 | 0.00 | | | | | 0.00 | 3.05 | 0.05 |
| | 7.00 | 0.00 | 52.00 | | | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.24 | 0.05 |
| 60. | | | | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | | | |
| 60. | 0.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.00 | 0.00 |
| 60. | 4.00 | 0.00 | 52.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 56.00 | 0.00 | 0.07 | 0.07 |
| ∞ છા. | | 0.00 | 52.00 | 0.00 | 0.00 | ∞ 24.00 | 0.00 | 0.00 | | | 0.05 | 0.05 |
| | ****2.5S | | 0.00 | 0.00 | (())()()()()()()()()()()()()()()()()() | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.08 |
| ************************************** | 0.85 | 0.00 | 0.00 | 0.00 | ₩ J.OO | 0.00 | | 0.00 | . 0.00 | U. OO | ··· 0.03 | 0.03 |

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|--|----------------|---|----------------|--------------------|-------------|-------------|--|------------------------|---------------|--|--|--|
| ************ | | | Possible | | 90260 | Lungs | | Action | Possible | | Ratio | Possible |
| | Score | Ratio | 48.00 | Score | Ratio | Possible - | Score | Ratio | 55.00 | Score | 0.30 | 60.00 |
| | 39.00 39.00 | 0.00 | 48.00 | 0.00 | 0.33 | 64.00 | 21.00 36.00 | 0.33 | 55.00 | 18.00 | 0.13 | 60.00 |
| | 24.00 | 0.10 | 48.00 | 5.00 | 0.75 | 64.00 | 48.00 | 0.25 | 55.00 | 14.00 | 0.73 | 60.00 |
| | 24.00 | 0.00 | 48.00 | 0.00 | 0.61 | 64.00 | 39.00 | 0.09 | 55.00 | 5.00 | 0.12 | 60.00 |
| | 31.50 | 0.03 | 48.00 | 1.25 | 0.56 | 64.00 | 36.00 | | 55.00 | 15.25 | 0.32 | ه.00 |
| | 8.66 | 0.05 | 0.00 | 2.50 | 0.18 | 0.00 | 11,22 | 0.14 | 0.00 | 7.97 | 0.29 | 0.00 |
| | Min 4.53 | | 0.00 | 1.25 | | 0.00 | ~~ 5.61° | | | | 0.14 | 0.00 |
| <u> </u> | | | | | | | | | | | | |
| 3 | 7.00 | 0.00 | 48.00 | 0.00 | 0.38 | 64.00 | 24.00 | 0.00 | 55.00 | 0.00 | 0.10 | 60.00 |
| | 5.00 | 0.00 | 48.00 | 0.00 | 0.42 | 64.00 | 27.00 | 0.18 | 55.00 | 10.00 | 0.13 | 60.00 |
| | 18.00 | 0.00 | 48.00 | 0.00 | 0.33 | 64.00 | 21.00 | 0.11 | 55.00 | 6.00 | 0.13 | 60.00 |
| | 9.00 | 0.00 | 48.00 | 0.00 | 0.52 | 64.00 | 33.00 | 0.29 | 55.00 | 16.00 | 0.23 | 60.00 |
| 1800 | × 9.75 | 0.00 | 48.00 | 0.00 | 0.41 | 64.00 | 26.25 | | S5.00 | 8.00 | 0.15 | 60.00 |
| | 5.74 | | 0.00 | 0.00 | | 0.00 | | | 0.00 | 6.73 | 0.06 | 0.00 |
| | 2.87 | ***0:00 | 0.00 | 0.00 | 0.04 | 0.00 | ~ 2.56 | 0.06 | ···· 0.00 | 3.57 | 0.03 | 0.00 |
| T | | | | | | | | | | | | |
| | 36.00 | 0.00 | 48.00 | 0.00 | 0.47 | 64.00 | 30.00 | 0.58 | 55.00 | 32.00 | 0.27 | 60.00 |
| | 26.00 | 0.00 | 48.00 | 0.00 | 0.47 | 64.00 | 30.00 | 0.29 | 55.00 | 16.00 | 0.67 | 60.00 |
| | 24.00 | 0.00 | 48.00 | 0.00 | 0.47 | 64.00 | 30.00 | 0.73 | 55.00 | 40.00 | 0.33 | 60.00 |
| | 26.00 | 0.00 | 48.00 | 0.00 | 0.52 | 64.00 | 33.00 | 0.51 | 55.00 | 28.00 | 0.33 | 60.00 |
| | 28.00 | | | 0.00 | 0.48 | 64.00 | 30.75 | 0.53 | | ** 29.00* | 0.40 | 60.00 |
| | 5.42 | | | 0.00 | 0.02 | 0.00; | 1.50 | 0.18 | 0.00 | 10.00 | 0.18 | 0.00 |
| 1 30000 | 2.71 | 0.00 | | 0.00 | 0.01 | 0.00 | 0.75 | 0.09 | 0.00 | 5.00 | 0.09 | 0.00 |
| ↓ | | - 2 | | | | | | | | | | |
| | 5.00 | 0.00 | 48.00 | 0.00 | 0.38 | 64.00 | 24.00 | 0.09 | 55.00 | 5.00 | 0.05 | 60.00 |
| | 33.00 | 0.00 | 48.00 | 0.00 | 0.75 | 64.00 | 48.00 | 0.22 | 55.00 | 12.00 | 0.07 | 60.00 |
| | 24.00 | 0.00 | 48.00 | 0.00 | 0.28 | 64.00 | 18.00 | 0.00 | 55.00 | 0.00 | 0.07 | 60.00 |
| | 24.00 | 0.00 | 48.00 48.00 | 0.00 | 0.28 | 64.00 | 18.00 | 0.11 | 55.00 | 6.00 | 0.00 | 60.00 |
| | | # 0.00 | | 0.00 | 0.42 | 64.00 | * 27.00 | | 55.00 0.00 | 5.75 6.92 | | |
| | 11.79 | | 0.00 | | | | 14,28 | 0.09 | | 6.92 2.46 | | 0.00 |
| T | 3.07 | | | and a second | | | | | 0.00 | ************************************** | CON U. VE | |
| ╁── | 24.00 | 0.13 | 48.00 | 6.00 | 0.81 | 64.00 | 52.00 | 0.11 | 55.00 | 6.00 | 0.05 | 60.00 |
| | 20.00 | 0.00 | 48.00 | 0.00 | 0.56 | 64.00 | 36.00 | 0.09 | 55.00 | 5.00 | 0.05 | 60.00 |
| | | | * 48.00 × | | | 64.00 ·· | | | 55.00 | | 0.05 | 60.00 |
| | 2.83 | | 0.00 | ··· 4,24 | | 0.00 * | 11.31 | | .00.0 | 0.71 | ******** | 0.00 |
| W/* | 2.00 | | 0.00 | | | | 8.0Q | | | | 0.00 | 0.00 |
| T | | | | | | | | | | | | |
| 5 | 0.00 | 0.00 | 48.00 | 0.00 | 0.44 | 64.00 | 28.00 | 0.09 | 55.00 | 5.00 | 0.08 | 60.00 |
| 3 | 0.00 | 0.00 | 48.00 | 0.00 | 0.56 | 64.00 | 36.00 | 0.00 | 55.00 | 0.00 | 0.23 | 60.00 |
| 144.4 | 0.00 | 0:00 | 48.00 | | 0.50 | 64.00 | 32.00 | | 55.00 | 2.50 | 0.16 | 60.00 |
| | O.OO | 0.00 | 0.00 | 0.00 | | | ⋙ 5.66 | 0.06 | 0.00 | 3.54 | 0.11 | 0.00 |
|)///////////////////////////////////// | ····· 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00% | ×× 4.00 | 0.05 | 0.00 | 2.50 | 0.08 | 0.00 |
| | | | | | | | | | | <u> </u> | | |
| | 6.00 | 0.00 | 48.00 | 0.00 | 0.06 | 64.00 | 4.00 | 0.00 | 55.00 | 0.00 | 0.10 | 60.00 |
| | 7.00 | 0.00 | 48.00 | 0.00 | 0.08 | 64.00 | 5.00 | 0.05 | 55.00 | 3.00 | 0.08 | 60.00 |
| | 6.50 | 0.00 | | 0.00 | 0.07 | | | ***** | 55.00 | | | 60.00 |
| | 0.71 | 0.00 | | 0.00 | 0.01 | | 0.71 | 0.04 | 0.00 | 2.12 | 0.01 | 0.00 |
| | × · · · 0.50 | ··· 0.00 | | | | 0.00 | | | 0.00 | | | 0.00 |
| _ | **** | | | | | | | | **** | | | |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.11 | 55.00 | 6.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.05 | 60.00 |
| | 0.00 | 0.00 | | 0.00 | 0.00 | 64.00 | 0.00 | 0.13 | 55.00 | 7.00 | 0.12 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.00 | 60.00 |
| | 0.00 | 0.00 | 48.00 | 0.00 | 0.00 | 64.00 | 0.00 | 0.00 | 55.00 | 0.00 | 0.07 | 60.00 |
| | ## 0.00 | | | | | ## 64.00 ·· | | | 55.0G 0.00 | | | 0.00 |
| Section . | | | | | | | | | | | A CONTRACTOR AND A SERVICE OF THE PARTY OF T | and the second s |

| ow Al | bdominal Org | are . | Solid At | dominat Org | ens . | | ight Ears | J 100000 | | Left Ears | |
|---------------|---------------|----------|--|-----------------|---|-----------------|----------------------------|-----------------------|--|--|---|
| | Possible | Astic | | Possible | Astio | | Possible | Ratio | Score | Possible | s of fat |
| 00 | 48.00 | 0.81 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 00 | 48.00 | 0.81 | 4.00 | 44.00 | 0.09 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| . | 48.00 | 0.66 | 2.00 | 44.00 | Ø 0.05 | 0.00 | | 7.00 | 7.00 | 40.00 | ∵‱ (). |
| & | 0.00 | 0.18 | Z.31 × | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | · · · · · 0. |
| 53 | 0.00 | 0.09 | * 1,15 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - XXXX 0. |
| | | | | | | | | | | | |
| 00 | 48.00 | 0.15 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 10.00 | 40.00 | 0. |
| 00 | 48.00 | 0.10 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 00 | 48.00 | 0.38 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 20 | 48.00 | 0.19 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 5 | 48.00 | 0.20 | 1.50 | ×44.00 | 0.03 | 0.00 | 40.00 | 0.00 | Z.50 | ¥0.00 | · |
| 7 6 | 0.00 | 0.12 | 1.73 | 0.00 | ··· 0.04 | 0.00 | ···· 0.00 | 0.00: | 5.00 | G.00 | *****O. |
| 7 | 0.00 | 0.06 | 0.87 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.50 | | 0. |
| | | | | T | | T | | | | | |
| 20 | 48.00 | 0.75 | 0.00 | 44.00 | 0.00 | 12.00 | 40.00 | 0.30 | 12.00 | 40.00 | 0. |
| 00 | 48.00 | 0.54 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 0.00 | 40.00 | 0. |
| 00 | 48.00 | 0.50 | 3.00 | 44.00 | 0.07 | 12.00 | 40.00 | 0.30 | 12.00 | 40.00 | 0. |
| 00 | 48.00 | 0.54 | 3.00 | 44.00 | 0.07 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0. |
| 30 | 48.00 | 0.58 | 1.50 | 44.00 | 0.03 | 6.50 | | 0.16 | 6.00 | | |
| 2 | 0.00 | 0.11 | .** 1.73 ·· | 0.00 | O.O4 | 6.40 | 0.00 | 0.16 | 6.93 | 0.00 | ×××.0 |
| 75 | 0.00 | 0.06 | 0.87 | 0.00 | 0.02 | 3.20 | 0.00 | 0.08 | 3.46 | | ··· 0 |
| T | | 3.44 | | <u></u> | | 3.50 | | | | | ******** |
| 00 | 48.00 | 0.10 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0 |
| 00 | 48.00 | 0.69 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | - 0 |
| | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 4.00 | 40.00 | 0.10 | 0.00 | 40.00 | - 0 |
| | | | | | | | | | 0.00 | 40.00 | 0 |
| 00 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00) | 0.00 | | 0 |
| <u></u> | 48.00 | 0.45 | 0.00 | 44.00 | ··· 0.00 | 1.00 | 40.00 | | 0.00 | | |
| 9 | 0.00 | 0.25 | 0.00 | 0.00 | . 0.00 | 2.00 | 0.00 | 0.05 | | | ***** 0 |
| 39 | 0.00 | 0.12 | <u> </u> | * 0.00 | 0.00 | 1.00 | 0.00 | 0.03 | 0.00 | | · 0 |
| _ | | | | | | - 5 00 | /0.00 | 0.17 | 0.00 | (0.00 | |
| 20 | 48.00 | 0.50 | 0.00 | 44.00 | 0.00 | 5.00 | 40.00 | 0.13 | 0.00 | 40.00 | 0 |
| 00 | 48.00 | 0.42 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | | 40.00 | 0 |
| <u> </u> | 48.00 | ··· 0.46 | ···· 0:00 | 44.00 | 0.00 | 2.50 | ** 40.00 | 0.06 | 0.00 | | |
| <u> </u> | 0.06 | 0.06 | 0.00 | | 0.00 | 3.54 | 0.00 | 0,09 | 0.00 | Marin Control | ····· 0 |
| 10 | 0.00 | 0.04 | 0.00 | 0.00 | ×××0.00 | 2.50 | 0.00 | 0.06 | 0.00 | 0.00 | 0 |
| | | | | | | | - 12 22 | | 43.00 | | |
| 20 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 3.00 | 40.00 | 0.08 | 12.00 | 40.00 | 0 |
| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 2.00 | 40.00 | 0.05 | 0.00 | 40.00 | 0 |
| | ··· 48.00 | | ··· 0.00 | 44.00 | 0.00 | 2.50 | 40.00 | 0.06 | 6.00 | | |
|)O | 0.00 | | 0.00 | | | | 0.00 | | 8.49 | 0.00* | O |
| X 0 | 0.00 | 0.00 | <u> </u> | · · · 0.00 | 0.00 | *** 0.50 | 0.00 | 0.03 | 6.00 | ······································ | · O |
| | | | | | | | | | | | |
| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0 |
| 20 | 48.00 | 0.15 | 0.00 | 44.00 | 0.00 | 1.00 | 40.00 | 0.03 | 0.00 | 40.00 | 0 |
| 0 | 48.00 | 0.07 | 0.00 | 44.00 | 0.00 | 0.50 | 40.00 | 0.01 | 0.00 | | Q |
| 71 | 0.00 | 0.10 | 0.00 | 0,00 | 0,00 | 0.71 | 0.00 | 20.0 | 0.00 | | |
| O | | 0.07 | | ···· 0.00 | ··· 0.00 ··· | *** 0.50 | ··· 0.00 | # 0,01 | 0.00 | | |
| | | | | | | | | 4400 | | | |
| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0 |
| 20 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | ō |
| 0 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | 0 |
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| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | <u>ŏ</u> |
| 20 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | - 6 |
| 00 | 48.00 | 0.00 | 0.00 | 44.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 40.00 | |
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| 00 00 | 48.00 | | 0.00 | 44.00 | 0.00 | 0.00 | | #0.00 | | | |
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